

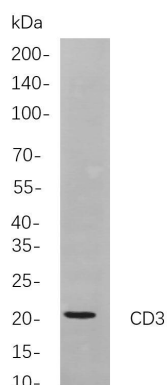


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | CD3 Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cat number:</b>       | MABN21534                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype:</b>          | IgG,Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>        | A synthetic peptide of human CD3 epsilon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity:</b>       | Human,Mouse,Rat,Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications:</b>     | IHC1:200-1:1000<br>WB1:1000-1:5000<br>IF1:200-1:1000<br>ELISA1:5000-1:20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight:</b> | Calculated MW:23kD;Observed MW:23kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification:</b>     | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Buffer:</b>           | PBS,50%glycerol,0.05%Proclin300,0.05%protective protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage:</b>          | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms:</b>         | T-cell surface glycoprotein CD3 epsilon chain;T-cell surface antigen T3/Leu-4 epsilon chain;CD antigen CD3e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source:</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Background:</b>       | Cell localization:Membranous.The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma,-deltaand-zeta ,andtheT-cellreceptoralpha/betaandgamma/delta heterodimers,formstheT-cellreceptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.The genes encodingthe epsilon, gammaanddelta polypeptidesare locatedinthesame clusteron chromosome 11.TheepsilonpolypeptideplaysanessentialroleinT-celldevelo pment.Defectsinthisgenecauseimmunodeficiency.This genehasalsobeenlinkedtoasusceptibilitytotypeldiabetesinwomen. |

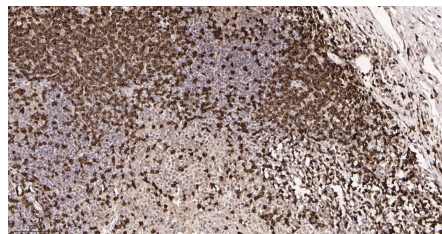
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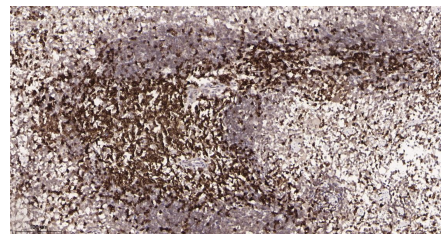
Web-site: <https://immunologicalsciences.com> - E-mail: [info@immunologicalsciences.com](mailto:info@immunologicalsciences.com)



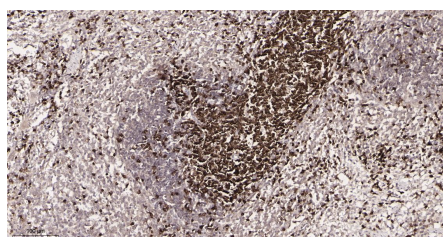
Western blot analysis of lysates from Jurkat cells, using CD3 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.



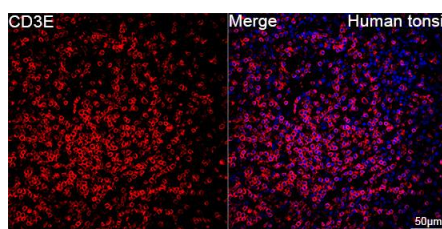
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue. 1, CD3 Rabbit Monoclonal Antibody was diluted at 1:200(4°C,overnight). 2, EDTA pH 9.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature,30min).



Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue. 1, CD3 Rabbit Monoclonal Antibody was diluted at 1:200(4°C,overnight). 2, EDTA pH 9.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature,30min).



Immunohistochemical analysis of paraffin-embedded Rat spleen tissue. 1, CD3 Rabbit Monoclonal Antibody was diluted at 1:200(4°C,overnight). 2, EDTA pH 9.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature,30min).



Confocal imaging of paraffin-embedded Human tonsil using CD3E Rabbit mAb followed by a further incubation with cy3-conjugated Goat anti-Rabbit IgG(H+L)(Red). DAPI was used for nuclear staining(Blue). High pressure antigen retrieval performed with 0.01M citrate Buffer(pH 6.0) prior to IF staining.

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