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| **Product name:** | CD11b/ITGAM Rabbit Polyclonal Antibody |
| **Cat number:** | AB1581 |
| **Conjugate:** | Unconjugated |
| **Host:** | Rabbit |
| **Size:** | 100 ug |
| **Synonyms:** | CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; CD11b/ITGAM |
| **Concentration:** | 1mg/ml |
| **Isotype:** | IgG |
| **Immunogen:** | Recombinant protein.This information is considered to be commercially sensitive. |
| **Reactivity:** | Human,Mouse,Rat |
| **Applications:** | WB 1:100 - 1:500 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200 ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| **Molecular Weight:** | 170kDa |
| **Purification:** | Affinity purification |
| **Background:** | This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene. |
| **Form:** | liquid |
| **Buffer:** | PBS with 0.09% Sodium azide,50% glycerol,pH7.3. |
| **Storage:** | Store at -20℃. Avoid freeze / thaw cycles. |

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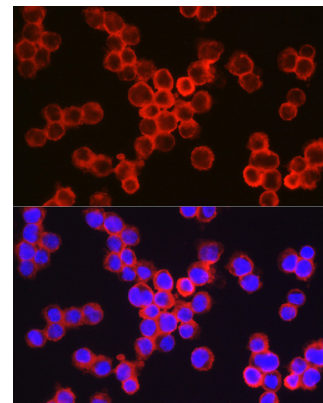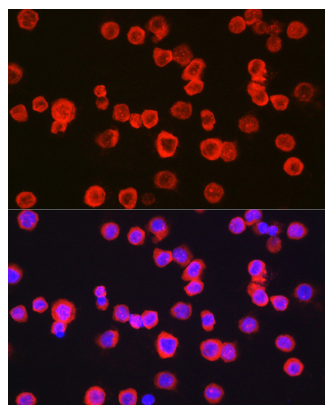**IMMUNOLOGICAL SCIENCES**

Western blot analysis of various lysates using CD11b/ITGAM Rabbit pAb at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit . Exposure time: 90s.
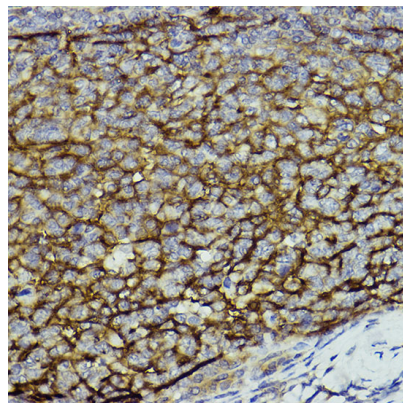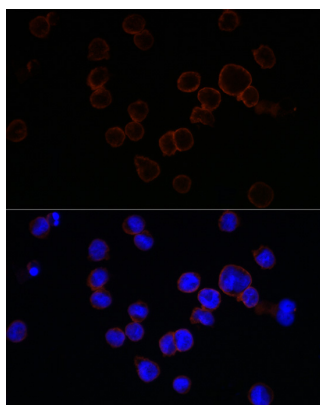


Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.
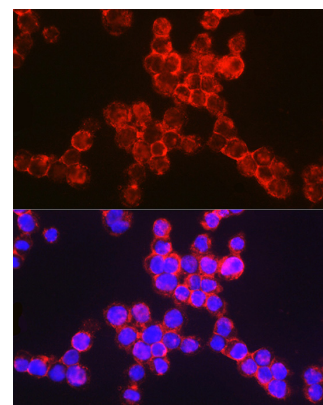


Immunofluorescence analysis of TF-1 cells using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.
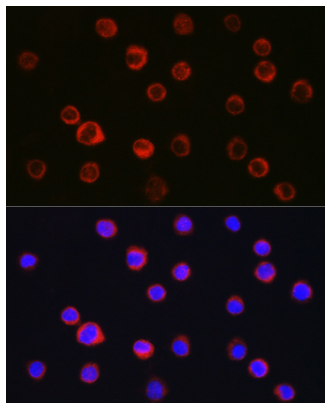


Immunofluorescence analysis of TF-1 cells using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of TF-1 cells using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

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Immunofluorescence analysis of THP-1 cells using CD11b/ITGAM Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

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