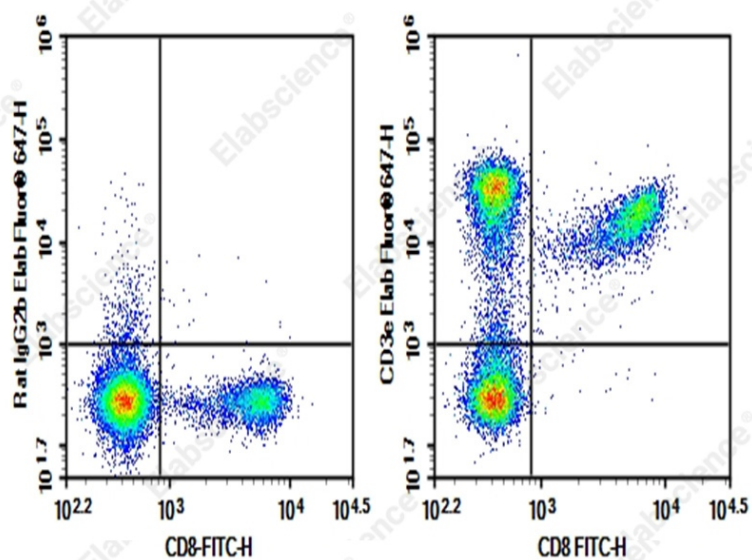


Product name:	AF/LE Purified Anti-Mouse CD3 Antibody[17A2]
Cat number:	MAB10130
Conjugate:	None (AF/LE)
Size:	100µg
Clone:	17A2
Concentration:	≥ 1 mg/mL
Host:	Rat
Isotype:	Rat IgG2b, κ
Immunogen:	Recombinant Mouse CD3 protein
Reactivity:	Mouse
Applications:	FCM - Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per 10 ⁶ cells in 100 µL volume or 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Purification:	>98%, Protein A/G purified
Buffer:	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.
Storage:	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Background:	CD3, also known as T3, is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 is composed of CD3ε, δ, γ and ζ chains. It forms a TCR complex by associating with TCR α/β or γ/δ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.



C57/BL6 Mouse splenocytes were stained with 0.2 µg AF/LE Purified Anti-Mouse CD3 Antibody[17A2] (Right) and 0.2 µg Rat IgG2b, κ Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD8 FITC-conjugated Monoclonal Antibody.