Purified Anti-Rat CD3 Antibody[G4.18], Functional Grade

catalog number: **E-AB-F12280**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

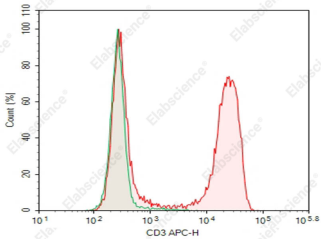
Description

Reactivity	Rat
Immunogen	Recombinant Rat CD3 protein
Host	Mouse
Isotype	Mouse IgG3, κ
Clone	G4.18
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.

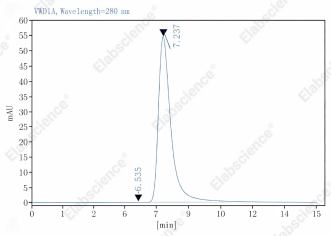
Applications — Recommended Dilution

FCM	≤ 0.2 μg per million cells in 100 μL volume
FA	Reported in the literature
Activ	Reported in the literature

Data



Rat splenocytes were stained with 0.2 μg Purified Anti-Rat CD3 Antibody[G4.18], Functional Grade (Right) and 0.2 μg Mouse IgG3, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.



Rat splenocytes were stained with 0.2 μg Purified Anti-Rat CD3 Antibody[G4.18], Functional Grade (Right) and 0.2 μg Mouse IgG3, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

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.
Shipping	Ice bag

Background

CD3 is a complex composed of δ, γ, ε, and ζ chains. They are 20-25 kD members of the immunoglobulin superfamily and associated with the T cell receptor (TCR). CD3 is expressed on thymocytes, peripheral T cells, some NK-T cells, and dendritic epidermal T cells. CD3 is involved in antigen recognition, signal transduction, and T cell activation.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

Application References

Christine Guntermann, et al. JCI Insight. 2017 Mar 9;2(5):e91127. Tong Du, et al. Front Immunol. 2020 Jul 23:11: 1603.