Purified Anti-Mouse CD19 Antibody[1D3], Functional Grade

catalog number: **E-AB-F09860**

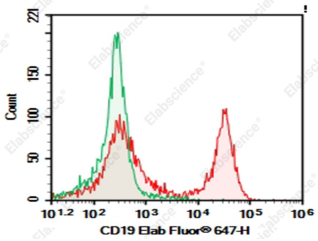
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

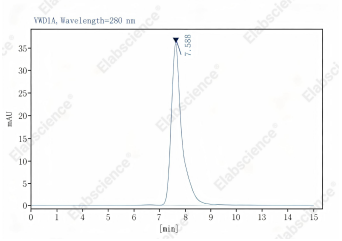
Reactivity	Mouse
Immunogen	Recombinant Mouse CD19 protein
Host	Rat
Isotype	Rat IgG2a, κ
Clone	1D3
Purification	> 98%, Protein A/G purified, ≥ 95% monomer by analytical SEC
Endotoxin	< 1 EU/mg determined by LAL assay
Conjugation	Unconjugated
Buffer	Sterile PBS, pH 7.2. Contains no stabilizers or preservatives

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume
Depletion	Reported in the literature
Neut	Reported in the literature

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD19 Antibody[1D3], Functional Grade (Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by PE-conjugated Goat Anti-Rat IgG Secondary Antibody.



Monomer purity ≥95% as determined by analytical size-exclusion chromatography (SEC)

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

CD19 is a 95 kD glycoprotein also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81, forms a molecular complex integral to B 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.

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Application References

Min Dai, et al. Clin Cancer Res. 2015 Mar 1;21(5):1127-38.Yaron Carmi, et al. Nature. 2015 May 7;521(7550):99-104.