Purified Anti-Rat CD4(domain 1) Antibody[OX-38], Functional Grade

catalog number: **E-AB-F11050**

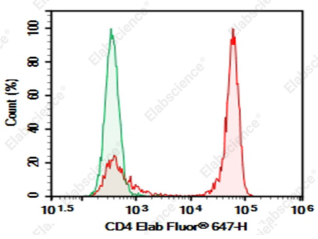
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

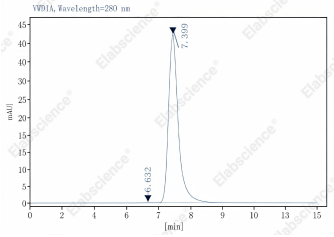
Reactivity	Rat
Immunogen	Recombinant Rat CD4 protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	OX-38
Purification	> 98%, Protein A/G purified, ≥ 95% monomer by analytical SEC
Endotoxin	< 1 EU/mg determined by LAL assay
Conjugation	Unconjugated
Buffer	Sterile PBS, pH 7.2. Contains no stabilizers or preservatives

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

Data



Rat splenocytes were stained with 0.2 μg Purified Anti-Rat CD4(domain 1) Antibody[OX-38], Functional Grade (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by FITC-conjugated Goat Anti-Mouse 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

CD4, also known as T4, is a 55kD glycoprotein member of the immunoglobin superfamily and is expressed on majority of thymocytes, macrophages, and a peripheral T cell subset (T helper cells). CD4 is a T cell co-receptor that interacts with the MHC class II molecule and is involved in 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

Alex S Hartlage, et al. Nat Commun. 2019 Mar 7;10(1):1113.