Purified Anti-Human CD49f Antibody[GoH3], Functional Grade

catalog number: **AN008930**

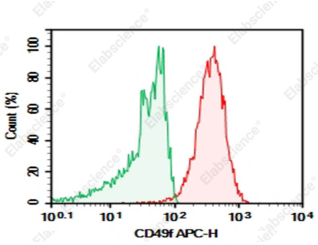
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

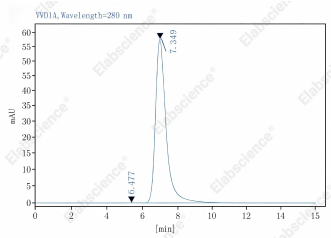
Reactivity	Human
Immunogen	Recombinant Human CD49f protein
Host	Rat
Isotype	Rat IgG2a, κ
Clone	GoH3
Purification	>98%, Protein A/G purified
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

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

Data



Human peripheral blood platelet cell were stained with 0.2 μg Purified Anti-Human CD49f Antibody[GoH3], Functional Grade (Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat IgG Secondary Antibody.



Human peripheral blood platelet cell were stained with 0.2 μg Purified Anti-Human CD49f Antibody[GoH3], Functional Grade (Right) and 0.2 μg Rat IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rat 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

CD49f is a 120 kD integrin family member also known as VLA-6 α chain and α6 integrin subunit. CD49f associates with either integrin β1 (CD29) or integrin β4 (CD104) to form receptors (VLA-6 or α6β4 complex) for laminin and kalinin. CD49f is expressed on platelets, monocytes, T cells, placental trophoblasts, and epithelial and endothelial cells. CD49f is involved in adhesion and can act as a co-stimulatory molecule for T cell activation and proliferation.

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

Georas SN, et al. Blood. 1993 Oct;82(8):2872-8.