

Product Name: KO-Validated Integrin Subunit Alpha 4 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb00134

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 114.9kDa

Antigen Information

Gene Name	ITGA4 ITGA4; Integrin Subunit Alpha 4; CD49D; Alpha 4 Subunit Of VLA-4 Receptor; CD49 Antigen-Like Family Member D; VLA-4 Subunit Alpha; Integrin Alpha-IV; Integrin Alpha-4; Integrin,
Alternative Names	Alpha 4 (Antigen CD49D, Alpha 4 Subunit Of VLA-4 Receptor); Very Late Activation Protein 4 Receptor, Alpha 4 Subunit; Antigen CD49D, Alpha-4 Subunit Of VLA-4 Receptor; 269C Wild Type; Antigen CD49D; CD49d Antigen; CD49d; IA4
Gene ID	3676.0
SwissProt ID	P13612
Immunogen	A synthesized peptide derived from human Integrin alpha 4

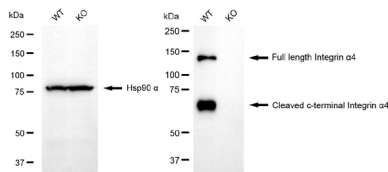
Background

The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

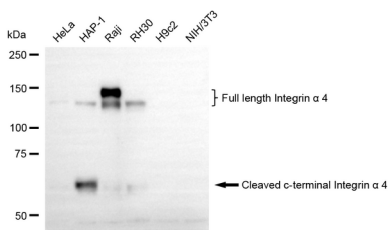
Research Area

Immunology,Signal Transduction,Stem Cells,Cardiovascular

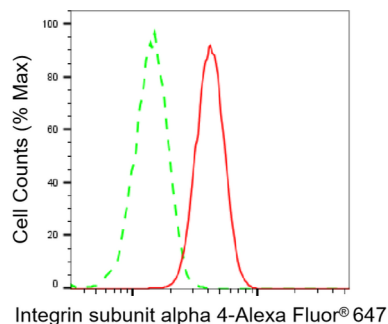
Image Data



Western blotting analysis using integrin subunit alpha 4 antibody (KVA00134). Integrin subunit alpha 4 expression in wild-type (WT) and integrin subunit alpha 4 (ITGA4) knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with integrin subunit alpha 4 antibody (KVA00134, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using integrin subunit alpha 4 antibody (KVA00134). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with integrin subunit alpha 4 antibody (KVA00134, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Integrin subunit alpha 4 expression in HAP-1 cells using Integrin subunit alpha 4 antibody (KVA00134, 1:2,000). Green, isotype control; red, Integrin subunit alpha 4.