



Mouse Anti-Human Integrin alpha 9 Monoclonal Antibody, clone 671312 (CABT-L578M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	In direct ELISAs, no cross-reactivity with recombinant human Integrin alpha 1, 2, 2b, 3, 4, 5, 6, 6 (x1), 8, 10, 11, D, E, L, M, V, X, recombinant mouse Integrin alpha 7 (x2) or 9 is observed.
Immunogen	E. coli-derived recombinant human Integrin alpha 9.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	671312
Purification	Protein A or G purified
Conjugate	Unconjugated
Applications	WB Recommended concentration: WB: 2 µg/mL
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 6 months, -20 to -70°C under sterile conditions after reconstitution.
Ship	Wet ice

BACKGROUND

Introduction	Integrin alpha 9 is a 150 kDa type I transmembrane glycoprotein that is widely expressed and is found on smooth muscle, keratinocytes, skeletal muscle and hepatocytes. It principally associates with the beta 1 Integrin. alpha 9 beta 1 binds to VEGF-C and D, and osteopontin. The 951 amino acid (aa) extracellular domain of mouse Integrin alpha 9 contains three beta - propellor repeats and multiple PheGly-GlyAlaPro repeats. A potential proteolytic cleavage site in human alpha 9 ECD is absolutely conserved in mouse alpha 9 ECD (Arg 566-Val 567). The ECD of mouse Integrin alpha 9 shares 95% and 89% aa sequence identity to rat and human Integrin alpha 9, respectively.
Keywords	ALPHA-RLC;Integrin alpha 9;integrin alpha-9;Integrin alpha-RLC;integrin, alpha 9;ITGA4L;ITGA9;RLC;RLC-alpha

GENE INFORMATION

Gene Name	ITGA9
Entrez Gene ID	3680
UniProt ID	Q13797
