

CD166 Monoclonal Antibody (L50)

Catalog Number MA1-35107

Product data sheet

Details		Species Reactivity	
Size	1 mL	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Published species	Human
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * 5 µg/mL
Clone	L50	Immunohistochemistry (Frozen) (IHC (F))	5 µg/mL
Immunogen	Human CD166.	Western Blot (WB)	5 µg/mL
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Flow Cytometry (Flow)	See 1 publications below
Concentration	0.1 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	4° C		

Product specific information

Fc ALCAM consists of the Fc part of human immunoglobulin and the extracellular part of ALCAM. This antibody is positive on K526 cells transfected with C-DNA encoding ALCAM and is negative on K526 cells. It blocks ALCAM-ALCAM interactions and is reactive with the C-type domains. The antibody recognizes an epitope in two domains close to the membrane.

Background/Target Information

This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

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PubMed References For CD166 Monoclonal Antibody (L50)

1 Flow Cytometry References

Species / Dilution	Summary
Human / 1:50	<p>MA1-35107 was used in flow cytometry to investigate the regulatory role of estrogen signaling pathways in the differentiation of mesenchymal stem cells in vitro</p> <p>The American journal of the medical sciences (2011; 341: 460)</p> <p>"Differentiation of human mesenchymal stem cells: the potential mechanism for estrogen-induced preferential osteoblast versus adipocyte differentiation."</p> <p>Author(s):Zhao JW,Gao ZL,Mei H,Li YL,Wang Y</p> <p>PubMed Article URL:http://dx.doi.org/10.1097/MAJ.0b013e31820865d5</p>

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