

CD151 Monoclonal Antibody (11G5a)

Catalog Number MA5-16443

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	Assay-dependent
Type	Antibody	Flow Cytometry (Flow)	1:50-1:100
Clone	11G5a	Immunohistochemistry (Frozen) (IHC (F))	1:100
Immunogen	The details of the immunogen for this antibody are not currently available.	Immunohistochemistry (Paraffin) (IHC (P))	1:100
Conjugate	Unconjugated	Immunoprecipitation (IP)	Assay-dependent
Form	Liquid	Western Blot (WB)	Assay-dependent
Concentration	1 mg/mL	Immunocytochemistry (ICC/IF)	Assay-dependent
Purification	Protein G	* 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 buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Heat-mediated antigen retrieval using a sodium citrate buffer (pH 6.0) is recommended for the staining of paraffin sections. A suggested positive control for immunohistochemical applications is tonsil or spleen. For FACS analysis, use 10 µL of the suggested working dilution to label 1x10⁶ cells in 100 µL. Mouse anti Human CD151 antibody, clone 11G5a recognizes the human CD151 cell surface antigen, also known as PETA-3. CD151 is expressed by epithelial cells, endothelial cells, platelets, megakaryocytes, monocytes and in the renal glomeruli and proximal and distal tubules.

Background/Target Information

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene.

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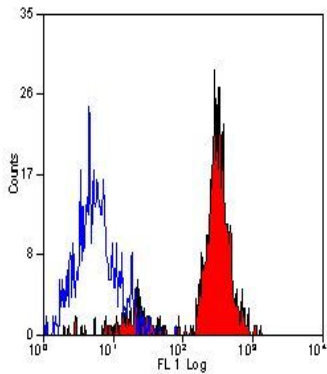
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CD151 Antibody (MA5-16443) in Flow

Flow cytometric analysis of human peripheral blood platelets using a CD151/PETA-3 monoclonal antibody (Product # MA1-80804)



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