CD151 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD151, Polyclonal Antibody
Full Product Name	CD151 Polyclonal Antibody APC Conjugated
Product Gene Name	anti-CD151 antibody
Product Synonym Names	CD151
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Purity/Purification	affinity purified by Protein A
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freeze/thaw cycles. Shipped at 4 degree C.
Molecular Weight	28,295 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (832952..838835). Location: 11p15.5
OMIM	179620
3D Structure	ModBase 3D Structure for P48509
Conjugation	APC
Immunogen Type	101-200/253
Product Categories/Family for anti-CD151 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-CD151 antibody	Flow Cytometry (FC/FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-CD151 antibody	FC/FACS: 1:50-200 ICC: 1:50-200 IF: 1:50-200
Related Product Information for anti-CD151 antibody	MBS9463448 is an antibody targeting CD151. Also known as CD151 Polyclonal Antibody APC Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CD151 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD151. It may not necessarily be applicable to this product.

NCBI GI #	21237751
NCBI GeneID	977
NCBI Accession #	NP_620599.1

UniProt Primary Accession #	P48509
UniProt Secondary Accession #	Q14826; Q86U54; Q96TE3; A8KAK8; E9PI15
UniProt Related Accession #	P48509
GenBank Nucleotide #	NM_139030.3
NCBI Official Full Name	CD151 antigen
NCBI Official Synonym Full Names	CD151 molecule (Raph blood group)
NCBI Official Symbol	CD151
NCBI Official Synonym Symbols	GP27; MER2; RAPH; SFA1; PETA-3; TSPAN24
UniProt Protein Name	CD151 antigen
UniProt Synonym Protein Names	GP27; Membrane glycoprotein SFA-1; Platelet-endothelial tetraspan antigen 3; PETA-3; Tetraspanin-24
Protein Family	CD151 antigen
UniProt Gene Name	CD151
UniProt Synonym Gene Names	TSPAN24; PETA-3; Tspan-24
UniProt Entry Name	CD151_HUMAN
NCBI Protein Information	CD151 antigen; tspan-24; tetraspanin-24; membrane glycoprotein SFA-1; CD151 antigen (Raph blood group); hemidesmosomal tetraspanin CD151; platelet surface glycoprotein gp27; platelet-endothelial tetraspan antigen 3; platelet-endothelial cell tetraspan ant
NCBI Summary for CD151	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. [provided by RefSeq, Jul 2008]
UniProt Comments for CD151	CD151: Essential for the proper assembly of the glomerular and tubular basement membranes in kidney. Defects in CD151 are the cause of nephropathy with pretibial epidermolysis bullosa and deafness (NPEBD). NPEBD is characterized by the association of hereditary nephritis, epidermolysis bullosa, deafness, and beta-thalassemia minor. Belongs to the tetraspanin (TM4SF) family. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: focal adhesion; membrane; integral to plasma membrane; plasma membrane; cytosol Molecular Function: integrin binding; protein binding Biological Process: T cell proliferation; extracellular matrix organization and biogenesis; cell migration; hemidesmosome assembly; cell adhesion Disease: Raph Blood Group System; Nephropathy With Pretibial Epidermolysis Bullosa And Deafness
Research Articles on CD151	**1.** Overexpression of CD151 was observed in a significant proportion of glioblastomas. CD151 overexpression was closely associated with MGMT methylation and was a prognostic factor for predicting worse survival.
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