

anti-Human CD151 Antibody | anti-CD151 antibody

Anti-Hu CD151 APC

CATALOG # AAA129302	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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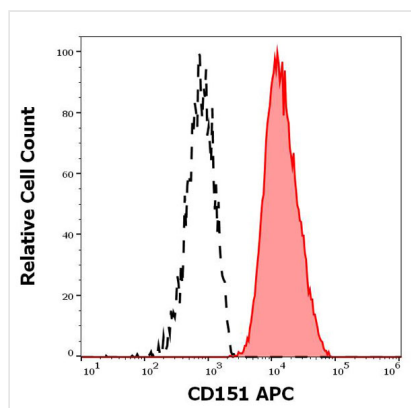
PRODUCT SYNONYMS

CD151; Anti-Hu CD151 APC; CD151 molecule (Raph blood group); RAPH blood group; MER2; SFA1; PETA-3; GP27; anti-CD151 antibody

PRODUCT SPECIFICATIONS

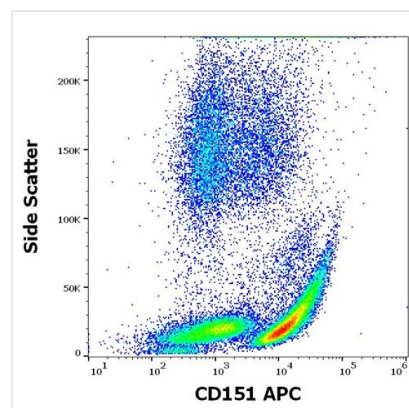
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	50-6
Specificity	The mouse monoclonal antibody CD151 recognizes an extracellular epitope of CD151 (also known as PETA-3), a 29 kDa transmembrane protein of tetraspanin family, expressed in many cell types.
Form/Format	APC Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 m
Applicable Applications for anti-CD151 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human epidermoid carcinoma cell line Hep-3
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human thrombocytes (red-filled) from CD151 negative neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD151 (50-6) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD151 (50-6) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD151 antibody	CD151, also known as PETA-3 (platelet-endothelial tetraspan antigen), is a four-pass transmembrane glycoprotein with short cytoplasmic N- and C-termini. CD151 is expressed mainly in platelets and megakaryocytes, immature hematopoietic cells, activated T cells, in endothelium, muscle cells, and epithelial cells. It associates with CD9, CD181, and integrin complexes alpha 3/beta 1 (CD49c/CD29), alpha 5/beta 1 (CD49e/CD29), and alpha 6/beta 4 (CD49f/CD104). CD151 appears to be involved in cell adhesion and migration, including metastasis.
References	*Sadej R, Grudowska A, Turczyk L, Kordek R, Romanska HM: CD151 in cancer progression and metastasis: a complex scenario. Lab Invest. 2014 Jan;94(1):41-51., URL: http://www.ncbi.nlm.nih.gov/pubmed/24247563 ,*Spring FA, Griffiths RE, Mankelow TJ, Agnew C, Parsons SF, Chasis JA, Anstee DJ: Tetraspanins CD81 and CD82 facilitate ?4?1-mediated adhesion of human erythroblasts to vascular cell adhesion molecule-1. PLoS One. 2013 May 21;8(5):e62654., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=spring+fa+griffiths+re Testa JE Brooks PC Lin JM Quigley JP: Eukaryotic expression cloning with an antimetastatic monoclonal antibody identifies a tetraspanin (PETA-3/CD151) as an effector of human tumor cell,

NCBI AND UNIPROT INFORMATION

NCBI GI #	21237751
NCBI GeneID	977
NCBI Accession #	NP_620599.1
NCBI GenBank Nucleotide #	NM_139030.3
UniProt Accession #	P48509; Q14826; Q86U54; Q96TE3; A8KAK8; E9PI15
Molecular Weight	28,295 Da
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
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
UniProt Protein Name	CD151 antigen
UniProt Gene Name	CD151
UniProt Synonym Gene Names	TSPAN24; PETA-3; Tspan-24
UniProt Entry Name	CD151_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.