

## Monoclonal Antibody to CD151 / TSPAN24 - PE

<b>Alternate names:</b>	GP27, Membrane glycoprotein SFA-1, PETA-3, PETA3, Platelet-endothelial tetraspan antigen 3, SFA-1, SFA1, Tetraspanin-24
<b>Catalog No.:</b>	SM1209RT
<b>Quantity:</b>	25 Tests
<b>Background:</b>	CD151 is expressed by epithelial cells, endothelial cells, platelets, megakaryocytes, monocytes and in the renal glomeruli and proximal and distal tubules. CD151 is not expressed by lymphocytes or granulocytes. More recently CD151 has also been shown to be expressed by erythrocytes, and to carry the MER2 blood group antigen. (2) It should be noted that CD151 is very closely associated with the alpha3 beta1 integrin in cells and coimmunoprecipitation may occur even in quite stringent conditions. (1)
<b>Uniprot ID:</b>	<a href="#">P48509</a>
<b>NCBI:</b>	<a href="#">NP_001034579.1</a>
<b>GeneID:</b>	<a href="#">977</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	11G5a
<b>Immunogen:</b>	Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> contains 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 1 ml distilled water
<b>Applications:</b>	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the CD151 cell surface antigen, also known as PETA-3. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted Prior to and following reconstitution at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. Yauch, R.L. et al. (1998) Highly stoichiometric, stable, and specific association of integrin alpha 3 beta 1 with CD151 provides a major link to phosphatidylinositol 4-kinase, and may regulate cell migration. Mol. Cell. Biol. 9: 2751-2765.

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2. Crew, V.K. et al. (2004) CD151, the first member of the tetraspanin (TM4) superfamily detected on erythrocytes, is essential for the correct assembly of human basement membranes in kidney and skin. Blood 104:2217-2223.

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