



## CD151, CD151 antigen polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-11618
Animal ID	RB0007-0008
Host	Rabbit
Reactivity	Primates
Format	Purified
Accession number	NM_004357
Amount	100µg

#### Alternative Name(s):

GP27, SFA1, PETA-3

CD151 antigen is a member of the transmembrane 4 superfamily, also known as tetraspanins. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. These proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD151 is known to complex with integrins and other tetraspanins. Additionally, CD151 is involved in cellular processes such as cell adhesion and may regulate integrin trafficking and/or function. It also enhances cell motility, invasion and metastasis of cancer cells.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

KLH conjugated synthetic peptide comprised of amino acids 45 - 62 [KSDYISLLASGTYLATAY] of the human CD151 antigen (CD151) protein.

#### Application:

Tested by peptide-specific ELISA (1:1,000).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

#### References:

1. Ashman LK: CD151. J. Biol. Regul. Homeost. Agents. 16(3): 223-226 (2002). Review.
2. Sincok PM, Fitter S, Parton RG, Berndt MC, Gamble JR, Ashman LK: PETA-3/CD151, a member of the transmembrane 4 superfamily, is localised to the plasma membrane and endocytic system of endothelial cells, associates with multiple integrins and modulates cell function. J. Cell. Sci. 112 ( Pt 6): 833-844 (1999).
3. Fitter S, Seldin MF, Ashman LK: Characterisation of the mouse homologue of CD151 (PETA-3/SFA-1); genomic structure, chromosomal localisation and identification of 2 novel splice forms. Biochim. Biophys. Acta. 1398(1): 75-85 (1998).
4. Fitter S, Tetaz TJ, Berndt MC, Ashman LK: Molecular cloning of cDNA encoding a novel platelet-endothelial cell tetra-span antigen, PETA-3. Blood 86(4): 1348-1355 (1995).