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Overview

Quantity:	100 tests
Target:	CD151
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD151 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

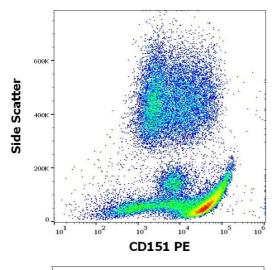
Immunogen:	Human epidermoid carcinoma cell line Hep-3
Clone:	50-6
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody CD151 recognizes an extracellular epitope of CD151 (also known as PETA-3), a 29 kDa transmembrane protein of tetraspanin family, expressed in many cell types.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

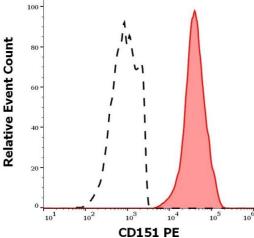
Target Details

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Target Details

Alternative Name:	CD151 (CD151 Products)
Background:	CD151 Molecule (Raph blood group),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.,RAPH blood group, MER2, SFA1, PETA-3,
	GP27
Gene ID:	977
UniProt:	P48509
Application Details	
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent
	/ 100 μL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient fo
	100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The
	conjugate is purified by size-exclusion chromatography and adjusted for direct use. No
	reconstitution is necessary.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The
	conjugate is purified by size-exclusion chromatography and adjusted for direct use. No
	reconstitution is necessary.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.





Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD151 (50-6) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. Separation of human CD45 negative CD151 positive thrombocytes (red-filled) from CD151 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD151 (50-6) PE antibody (10 μ L reagent / 100 μ L of peripheral whole blood).