

Datasheet for ABIN7505859
anti-CD151 antibody (APC)

2 Images

[Go to Product page](#)

Overview

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

Product Details

Purpose:	Anti-Hu CD151 APC
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.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

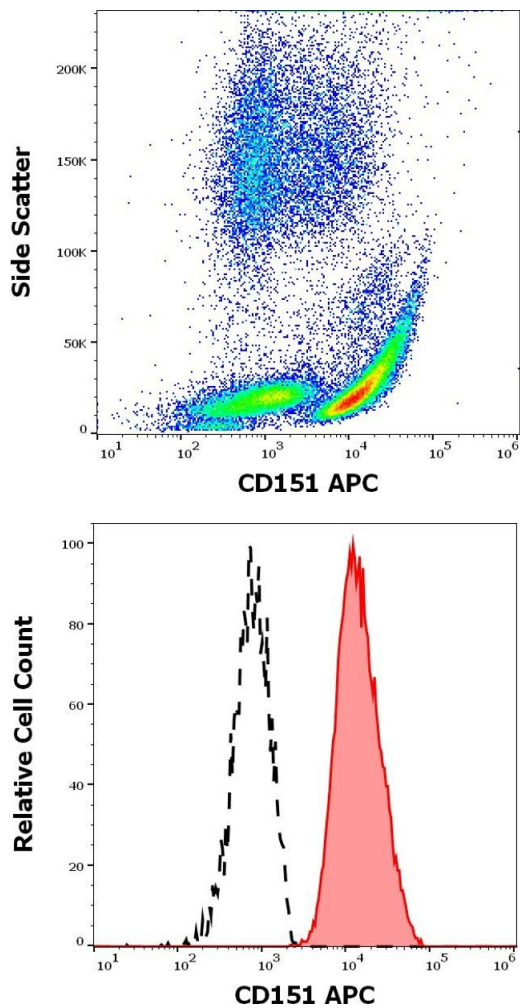
Target:	CD151
Alternative Name:	CD151 (CD151 Products)
Background:	CD151 Molecule (Raph blood group),CD151, also known as PETA-3 (platelet-endothelial tetraspan antigen), is a four-pass transmembrane glycoprotein with short cytoplasmic N- and C-termini. CD151 is expressed mainly in platelets and megakaryocytes, 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 for 100 tests.
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.
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) APC antibody (10 μ L reagent / 100 μ L of peripheral whole blood).

Flow Cytometry

Image 2. 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).