

Datasheet for ABIN6559828
anti-DDR1 antibody (PE)



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1 Image

Overview

Quantity:	100 tests
Target:	DDR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDR1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD167a PE
Immunogen:	CD167a-transfected NIH-3T3 cells
Clone:	51D6
Isotype:	IgM
Specificity:	The mouse monoclonal antibody 51D6 recognizes an extracellular epitope of CD167a, an approximately 97-101 kDa receptor tyrosine kinase expressed mainly on epithelial cells, but also on B cells and dendritic cells.
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

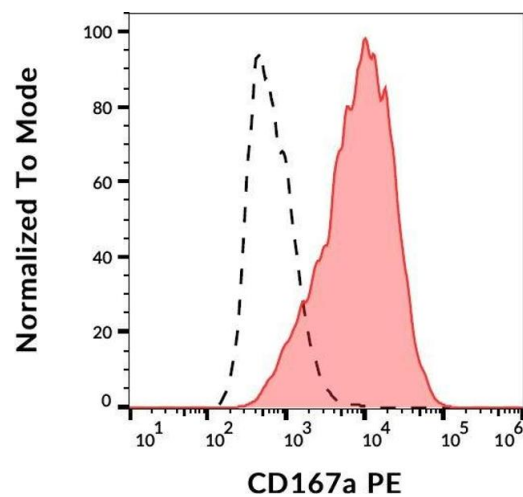
Target:	DDR1
Alternative Name:	CD167a (DDR1 Products)
Background:	Discoidin domain receptor tyrosine kinase 1,CD167a, also known as e.g. discoidin domain receptor tyrosine kinase 1 (DDR1), tyrosine kinase receptor E (TRKE), cell adhesion kinase (CAK), or neuroepithelial tyrosine kinase 4 (NEP, NTRK4), is a transmembrane receptor tyrosine kinase expressed predominantly in epithelial cells. It has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms of this protein have been described. After binding to fibrillar collagens I, II, III, V, or basement membrane collagens IV and VIII, CD167a becomes activated and autophosphorylated and transduces collagen-induced signaling.,EDDR1, MCK10, NTRK4, PTK3A, RTK6, CAK, TRKE, DDR1
Gene ID:	780
UniProt:	Q08345
Pathways:	RTK Signaling , Smooth Muscle Cell Migration

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 Tris buffered saline (TBS), pH 8.0, 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. Surface staining of MCF-7 cell line with anti-human CD167a (51D6) PE.