Datasheet for ABIN6559822

anti-DDR1 antibody

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Overview

Quantity:	100 µg
Target:	DDR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDR1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-Hu CD167a Purified
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 by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Purity:	> 95 % (by SDS-PAGE)

Target Details

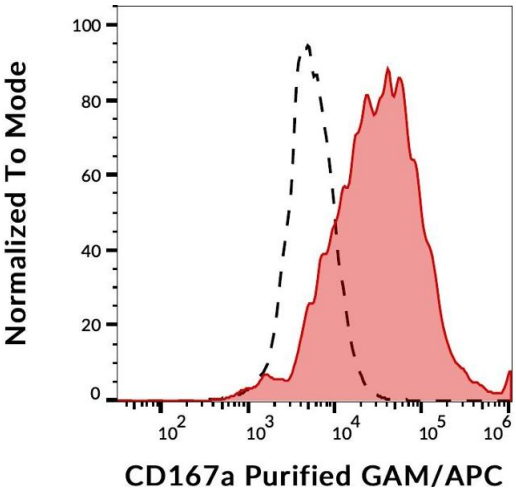
Target:	DDR1
Alternative Name:	CD167a (DDR1 Products)
Background:	Discoidin domain receptor tyrosine kinase 1,CD167a, also known as e.g. discoidin domain receptor tyrosine kinase 1 (DDR1), tyrosine kinase receptor E (TRKE), cell adhesion kinase (CAK), or neuroepithelial tyrosine kinase 4 (NEP, NTRK4), 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 fibrilar 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: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of MCF-7 cell line stained with anti-human CD167a (51D6) purified, GAM-APC (red) in comparison with FMO (fluorescence minus one) sample (black-dashed).