30-2639: Anti-Human CD167a PE (Clone : 51D6)

Clonality :	Monoclonal
Clone Name :	51D6
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	DDR1
Gene ID :	780
Alternative Name :	EDDR1, MCK10, NTRK4, PTK3A, RTK6, CAK, TRKE, DDR1,discoidin domain receptor tyrosine kinase 1
Isotype :	Mouse IgM
Immunogen Information :	CD167a-transfected NIH-3T3 cells

Description

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.
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.

Product Info

Amount :	100 tests
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	Formulation : Stabilizing Tris buffered saline (TBS) solution with 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 ÃÂµl reagent / 100 ÃÂµl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
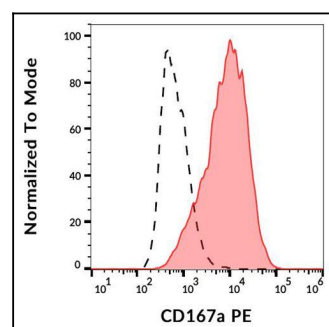

Figure 1 : Flow cytometry analysis (surface staining) of MCF-7 cell line stained with anti-human CD167a (51D6) PE (red) in comparison with FMO (fluorescence minus one) sample (black-dashed).

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