

For Research Use Only

FcZero-rAb™ PE Anti-Human DDR1/CD167a Rabbit Recombinant Antibody

Catalog Number: PE-FcA98200



Basic Information

Catalog Number: PE-FcA98200	GenBank Accession Number: NM_001297654	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 780	CloneNo.: 241796D6
Source: Rabbit	Full Name: discoidin domain receptor tyrosine kinase 1	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Calculated MW: 101 kDa	Excitation/Emission maximum wavelengths: 496 nm, 565 nm / 578 nm
Immunogen Catalog Number: EG1675		

Applications

Tested Applications: FC	Positive Controls: FC : MCF-7 cells,
Species Specificity: human	

Background Information

DDR1, or CD167a, is a member of the receptor tyrosine kinase (RTK) family, which plays a significant role in various cellular processes including cell proliferation, adhesion, migration, and extracellular matrix (ECM) remodeling. DDR1 is known for its unique discoidin domain that allows it to bind specifically to certain collagens, initiating downstream signaling pathways that can lead to cell transformation and tumor progression. Abnormal activation of DDR1 is closely associated with the development of various solid tumors, and it has been shown that DDR1 can prevent immune cells from infiltrating triple-negative breast cancer (TNBC) and eliminate tumor cells.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

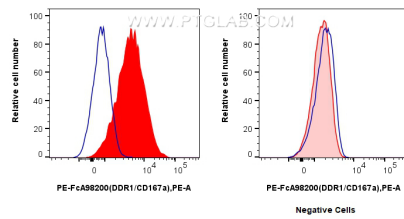
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Selected Validation Data



1x10⁶ MCF-7 cells (left) or HeLa cells (right) were surface stained with 5 μ l PE Anti-Human DDR1/CD167a Rabbit RecAb (PE-FcA98200, Clone: 241796D6) (red) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.