

For Research Use Only

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

Catalog Number: PE-FcA98200



Basic Information

Catalog Number:

PE-FcA98200

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1675

GenBank Accession Number:

NM_001297654

GeneID (NCBI):

780

Full Name:

discoidin domain receptor tyrosine
kinase 1

Calculated MW:

101 kDa

Purification Method:

Protein A purification

CloneNo.:

241796D6

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl
suspension

Excitation/Emission maxima
wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : MCF-7 cells,

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

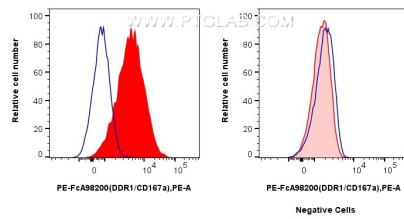
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.