

Anti-DDR1/CD167a Antibody

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-DDR1/CD167a Antibody is a neutralizing monoclonal antibody targeting the receptor tyrosine kinase DDR1, acting by blocking its interaction with extracellular matrix collagen. The compound is an essential tool for investigating how cell-matrix interactions regulate stem cell fate and tissue morphogenesis, aiming to reveal the molecular logic of multi-lineage differentiation and organ regeneration by intervening in the DDR1 signaling axis.
Targets(IC50)	Discoidin Domain Receptor (DDR)
In vitro	In 3D organoid cultures of primary mammary epithelial cells, Anti-DDR1/CD167a Antibody significantly reduced the frequency of colony-forming units and disrupted differentiation balance [1].
In vivo	In mouse models of mammary tissue regeneration, systemic administration of Anti-DDR1/CD167a Antibody inhibited ductal outgrowth and blocked terminal differentiation [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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