Anti-Discoidin Domain Receptor 1 [3E3] Standard Size Ab00438-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: 3E3
Alternative Name(s) of Target: DDR1
UniProt Accession Number of Target Protein: Q08345
Published Application(s): Blocking, WB, ELISA
Published Species Reactivity: Human
Immunogen: Recombinant human DDR1 extracellular domain.
Specificity: This antibody binds specifically to the extracellular domain of human DDR1.
Application Notes: This antibody binds to human Discoidin Domain Receptor 1, a receptor tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates the attachemnt of the cell to the extracellular matrix. This receptor is required for blastocyst implantation during pregnancy, mammary gland differentiation as well as lactation. It promotes smooth muscle cell migration as well as tumour cell invasion. The antibody acts as an antagonist.
Antibody First Published in: Carafoli et al. Structure of the discoidin domain receptor 1 ectracellular egion boudn to an inhibitory Fab fragment recelas features important for signalling. Structure 2012; 20(4):688-697 PMID:22483115
Note on publication: Describes the generation of several antibodies against the discoidin domain receptor and subsequent crystallisation as well as binding studies.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In:

PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.