

For Research Use Only

CD71 Recombinant monoclonal antibody

Catalog Number: 81793-13-RR



Basic Information

Catalog Number: 81793-13-RR	GenBank Accession Number: GeneID (NCBI): 7037	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 µg/ml by Nanodrop;	ENSEMBL Gene ID: ENSG00000072274	CloneNo.: 250738D12
Source: Rabbit	UNIPROT ID: P02786	Recommended Dilutions: IHC: 1:2500-1:10000
Isotype: IgG	Full Name: transferrin receptor (p90, CD71)	
Immunogen Catalog Number: EG0339	Calculated MW: 85 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human tonsillitis tissue, human liver cancer tissue
Species Specificity: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CD71, also known as transferrin receptor protein 1 (TfR1), is a transmembrane glycoprotein composed of two disulfide-linked monomers, each of 90 kDa molecular weight. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex that enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

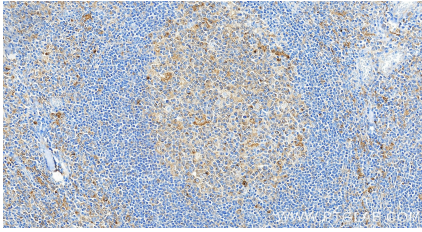
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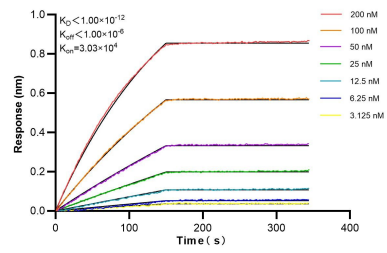
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 81793-13-RR (CD71 antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 81793-13-RR against Human CD71 were performed. The affinity constant is below 1 pM.