

For Research Use Only

CD71 Recombinant monoclonal antibody, PBS Only

Catalog Number: 81793-13-PBS



Basic Information

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

Applications

Tested Applications:
IHC, Indirect ELISA

Species Specificity:
human

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 -80°C.
Storage Buffer:
PBS only, pH7.3

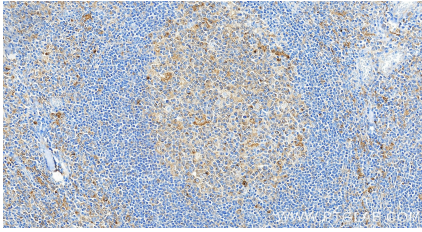
For technical support and original validation data for this product please contact:

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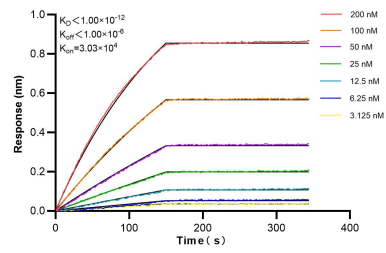
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Selected Validation Data



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). This data was developed using the same antibody clone with 81793-13-PBS in a different storage buffer formulation.



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