

For Research Use Only

Biotin-conjugated CD71 Recombinant monoclonal antibody

Catalog Number: Biotin-81793-13



Basic Information

Catalog Number: Biotin-81793-13	GenBank Accession Number: GeneID (NCBI): 7037	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	ENSEMBL Gene ID: ENSG00000072274	CloneNo.: 250738D12
Source: Rabbit	UNIPROT ID: P02786	Recommended Dilutions: IHC: 1:500-1:2000
Isotype: IgG	Full Name: transferrin receptor (p90, CD71)	
Immunogen Catalog Number: EG0339	Calculated MW: 85 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : human placenta 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.

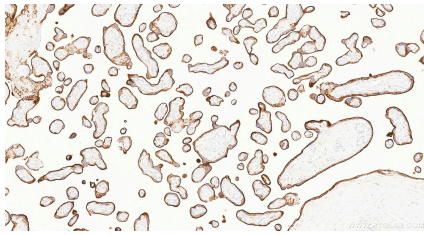
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

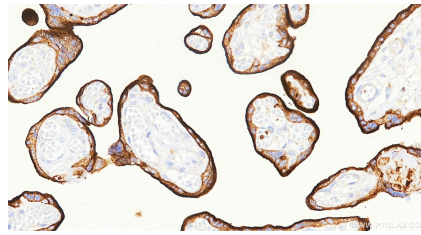
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using Biotin-81793-13 (CD71 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using Biotin-81793-13 (CD71 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).