

For Research Use Only

CD71 Monoclonal antibody, PBS Only



Catalog Number: 66180-1-PBS

Featured Product

Basic Information

Catalog Number: 66180-1-PBS	GenBank Accession Number: BC001188	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7037	CloneNo.: 3C11F11
Source: Mouse	ENSEMBL Gene ID: ENSG00000072274	
Isotype: IgG2a	UNIPROT ID: P02786	
Immunogen Catalog Number: AG21612	Full Name: transferrin receptor (p90, CD71)	
	Calculated MW: 85 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications:
WB, IP, IF, FC, IHC, 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 which 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.

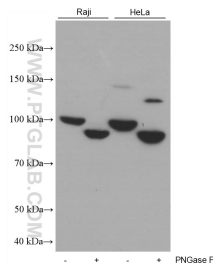
Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

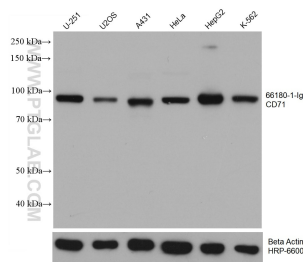
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

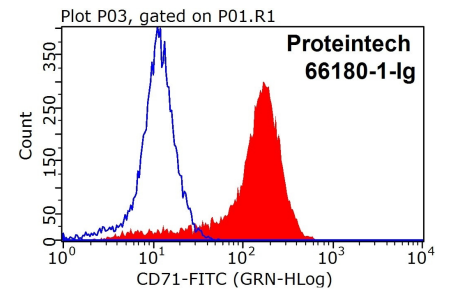
Selected Validation Data



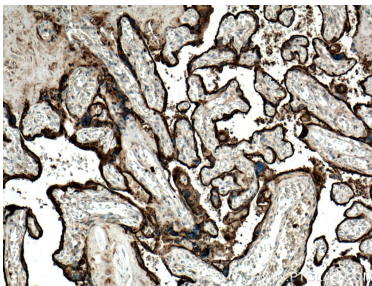
Untreated and PNGase F-treated lysates of Raji cells and HeLa cells were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



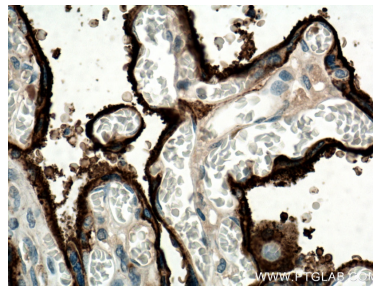
Various lysates were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



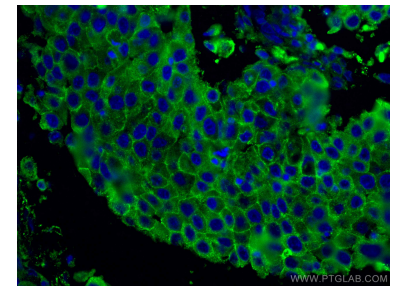
1X10⁶ Raji cells were stained with 0.2ug CD71 antibody (66180-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). FITC-Goat anti-mouse IgG with dilution 1:100. This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



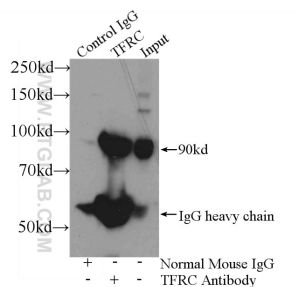
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



IP result of anti-CD71 (IP:66180-1-Ig, 5ug; Detection:66180-1-Ig 1:1000) with HeLa cells lysate 2400ug. This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.