

For Research Use Only

CD71 Monoclonal antibody, PBS Only

Catalog Number: 66180-1-PBS

Featured Product



Basic Information

Catalog Number:

66180-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG21612

GenBank Accession Number:

BC001188

GeneID (NCBI):

7037

ENSEMBL Gene ID:

ENSG00000072274

UNIPROT ID:

P02786

Full Name:

transferrin receptor (p90, CD71)

Calculated MW:

85 kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

3C11F11

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, 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 -80°C.

Storage Buffer:

PBS Only

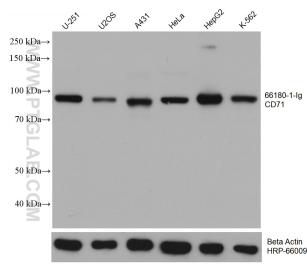
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

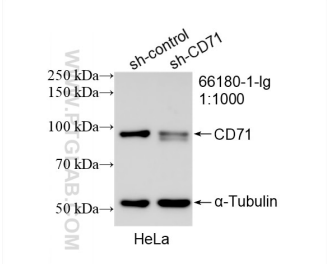
E: proteintech@ptglab.com
W: ptglab.com

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

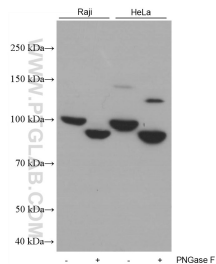
Selected Validation Data



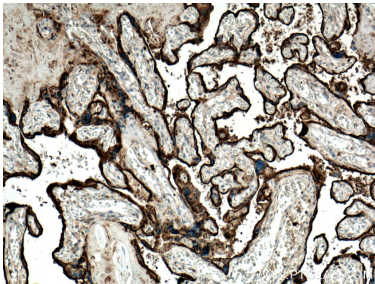
Various lysates were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data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



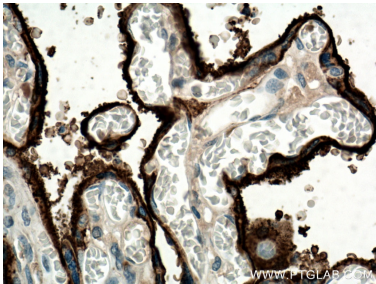
WB result of CD71 antibody (66180-1-Ig: 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD71 transfected HeLa cells. This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.



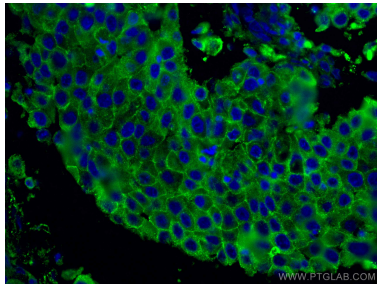
Untreated and PNGase F-treated lysates of Raji cells and HeLa cells were subjected to SDS PAGE followed by western blot with 66180-1-Ig (CD71 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using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



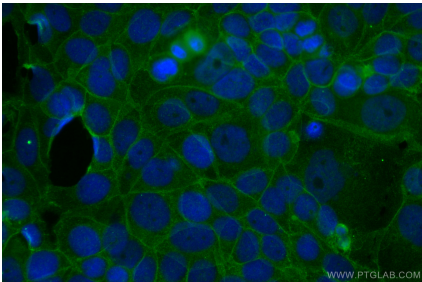
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66180-1-PBS in a different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



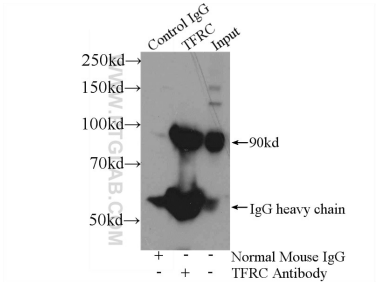
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66180-1-PBS in a different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



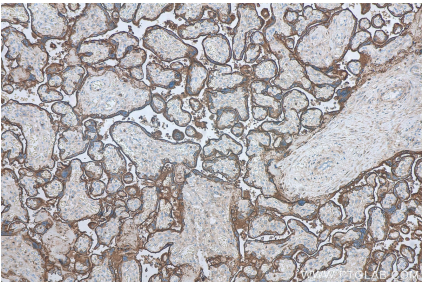
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66180-1-PBS in a different storage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



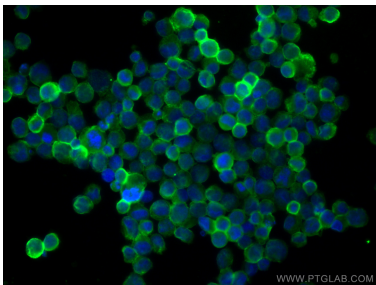
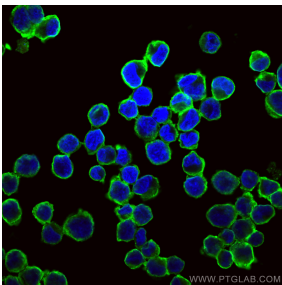
Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer 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.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66180-1-Ig (CD71 antibody) at dilution of 1:40000 (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.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). 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 K-562 cells using CD71 antibody (66180-1-Ig, Clone: 3C11F11) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 66180-1-PBS in a different storage buffer formulation.