

For Research Use Only

CoraLite® Plus 488-conjugated CD71 Monoclonal antibody



Catalog Number: CL488-66180

Featured Product

Basic Information

Catalog Number:

CL488-66180

Size:

1000 µg/ml

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

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

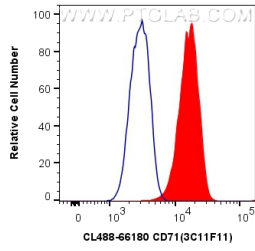
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human CD71 (CL488-66180, Clone:3C11F11) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).