

For Research Use Only

Anti-Human CD71 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98520-2-PBS



Basic Information

Catalog Number:

98520-2-PBS

Concentration:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0339

GenBank Accession Number:

GeneID (NCBI):

7037

ENSEMBL Gene ID:

ENSG00000072274

UNIPROT ID:

P02786

Full Name:

transferrin receptor (p90, CD71)

Calculated MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

250738D9

Applications

Tested Applications:

FC

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

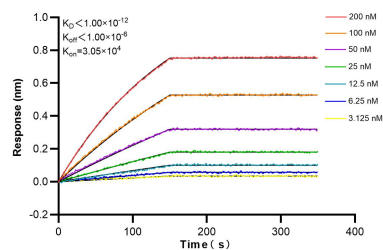
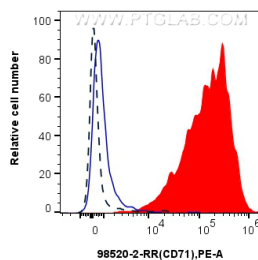
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Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD71 Rabbit RecAb (98520-2-RR, Clone: 250738D9) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD71 Rabbit RecAb (98520-2-RR, Clone: 250738D9) (black, dashed). Cells were not fixed. This data was developed using



Biolayer interferometry (BLI) kinetic assays of 98520-2-RR against Human CD71 were performed. The affinity constant is below 1 pM.