

For Research Use Only

CD320 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 83574-7-PBS



Basic Information

Catalog Number:

83574-7-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2795

GenBank Accession Number:

NM_016579.3

GeneID (NCBI):

51293

UNIPROT ID:

Q9NPF0-1

Full Name:

CD320 molecule

Calculated MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

242900F5

Applications

Tested Applications:

Sandwich ELISA, Indirect ELISA

Species Specificity:

human

Background Information

CD320, also known as 8D6, 8D6A or TCbLR, is a single-pass type I membrane protein containing 2 LDL-receptor class A domains. Expressed abundantly on follicular dendritic cells (FDCs), CD320 has been shown to enhance proliferation of germinal center (GC) B cells. It is the receptor for cellular uptake of transcobalamin-bound cobalamin. Defects in CD320 are the cause of methylmalonic aciduria type TCbLR (MMATC). CD320 has a calculated molecular mass of 29 kDa. The apparent molecular weight detected by this antibody is 70 kDa. The aberrant mobility of the protein by SDS-PAGE is probably caused by extensive complex glycosylation (PMID: 18779389; 23415653).

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:

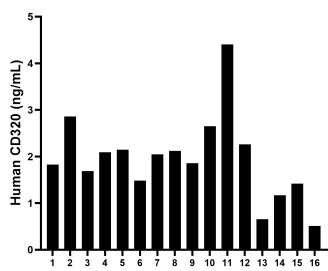
T: 4006900926

E: Proteintech-CN@ptglab.com

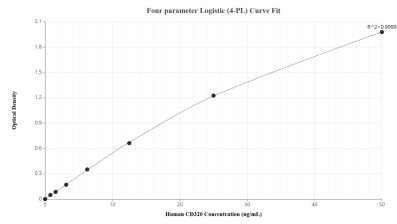
W: ptgcn.com

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Selected Validation Data



Serum of sixteen individual healthy human donors was measured. The CD320 concentration of detected samples was determined to be 1.95 ng/mL with a range of 0.51-4.41 ng/mL.



Sandwich ELISA standard curve of MP00564-4, Human CD320 Recombinant Matched Antibody Pair - PBS only. 83574-8-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2795. 83574-7-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL.