

For Research Use Only

CD320 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 83574-7-PBS



Basic Information

Catalog Number: 83574-7-PBS	GenBank Accession Number: NM_016579.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51293	CloneNo.: 242900F5
Source: Rabbit	UNIPROT ID: Q9NPF0-1	
Isotype: IgG	Full Name: CD320 molecule	
Immunogen Catalog Number: EG2795	Calculated MW: 29 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

83574-7-PBS targets CD320 as part of a matched antibody pair:

MP00564-4: 83574-8-PBS capture and 83574-7-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

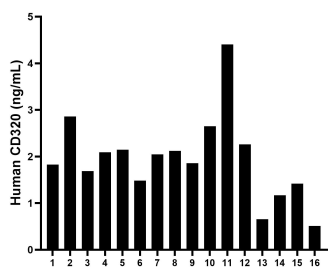
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

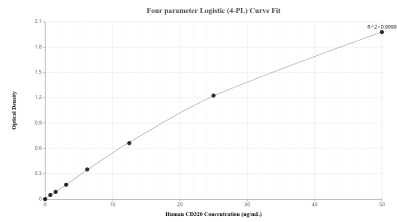
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.