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CD320 ELISA Kit



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Quantity:	1 kit
Quantity.	I NIL
Target:	CD320
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: 8D6, 8D6 antigen, 8D6A, CD320, CD320 antigen, CD320_HUMAN, FDC-signaling molecule 8D6, FDC-SM-8D6, TCbIR, Transcobalamin receptor Background: CD320(cluster of differentiation 320), also known as 8D6A or TCBLR, is a human gene. It is mapped to chromosome 19p13.2. This gene encodes the transcobalamin receptor that is expressed at the cell surface. It mediates the cellular uptake of transcobalamin bound

cobalamin(vitamin B12), and the expression of CD320 enhanced B-cell proliferation and

immunoglobulin secretion. Mutations in this gene are associated with methylmalonic aciduria.

It has been found that antagonists of the CD320 signaling pathway may counter the growth of follicular lymphomas or other tumors that metastasize to lymphoid follicles. CD320 is also a specific receptor for uptake of TCN2-bound cobalamin.

Gene Name: CD320

Production: Natural and recombinant human CD320. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S36-Y229

Target Details

Target:	CD320
Alternative Name:	CD320 - 8D6A (CD320 Products)
Gene ID:	51293
NCBI Accession:	NP_001159367
UniProt:	Q9NPF0

Application Details

Annl	lication	Notes:

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human CD320 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human CD320 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume:

 $100\;\mu L$

Plate:

Pre-coated

Restrictions:

For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.