

Human CD320/8D6A ELISA Kit | CD320 elisa kit

Human CD320/8D6A PicoKine ELISA Kit

CATALOG #
AAA45999

REACTIVITY
Human

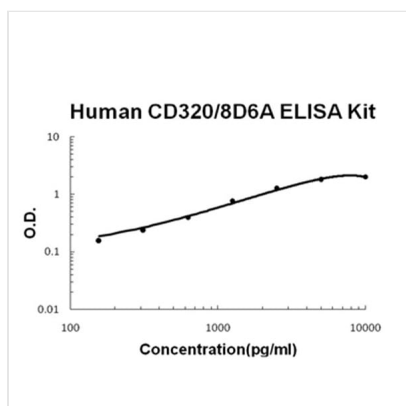
PRODUCT SYNONYMS

CD320/8D6A; Human CD320/8D6A PicoKine ELISA Kit; CD320 antigen; CD320 molecule; 8D6; 8D6 antigen; 8D6A; CD320; CD320_HUMAN; FDC-signaling molecule 8D6; FDC-SM-8D6; TCbIR; Transcobalamin receptor; CD320 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CD320
Sequence Length	282
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CD320/8D6A PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD320 elisa kit	Principle of the assay: human CD320 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD320 has been precoated onto 96-well plates. Standards(NSO, S36-Y229) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD320 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CD320 amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74734303
NCBI GeneID	51293
UniProt Accession #	Q9NPF0; Q53HF7; B2RDS5; D6W668; F5H6D3
Molecular Weight	24,371 Da
NCBI Official Full Name	CD320 antigen
NCBI Official Synonym Full Names	CD320 molecule
NCBI Official Symbol	CD320
NCBI Official Synonym Symbols	8D6; 8D6A; TCBLR
NCBI Protein Information	CD320 antigen; FDC-SM-8D6; 8D6 antigen; transcobalamin receptor; FDC-signaling molecule 8D6
UniProt Protein Name	CD320 antigen
UniProt Gene Name	CD320
UniProt Synonym Gene Names	8D6A; FDC-SM-8D6; TCbIR
UniProt Entry Name	CD320_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.