

Human CD320,8D6A ELISA Kit

Catalog No: #EK5558



Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human CD320,8D6A ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,S36-Y229
Other Names	CD320 antigen; 8D6 antigen; FDC-signaling molecule 8D6; FDC-SM-8D6; Transcobalamin receptor; TCbLR; CD320; CD320; 8D6A; UNQ198,PRO224;
Accession No.	Q9NPF0
Uniprot	Q9NPF0
GeneID	51293;
Cell Localization	Membrane; Single-pass type Imembrane protein.

Application Details

sensitivity:10pg mlDetect Range:156pg ml-10 000pg ml
sample_type:cell culture supernates serum plasma(heparin EDTA) and urine.
capture_antibody:monoclonal antibody from mouse
detection_antibody:polyclonal antibody from goat
gene_name:CD320protein_name:CD320
antigen
gene_full_name:CD320 antigen
tissue_specificity: Expressed abundantly on follicular dendritic cells (FDCs).
sequence_similarities:tmb_incubation:20-25min
research_category:immunology|adaptive immunity|b cells|cd|cell biology|cell cycle|cell differentiation|developmental biology|organogenesis|hematopoietic system development

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CD320,8D6A

Background

protein_function: Germinal center-B (GC-B) cells differentiate into memory B-cells and plasma cells (PC) through interaction with T-cells and follicular dendritic cells (FDC). CD320 augments the proliferation of PC precursors generated by IL-10. Receptor for the cellular uptake of transcobalamin bound cobalamin. 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.

Note: This product is for in vitro research use only