

## ARG81862 Human CD320 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81862-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81862-002	Standard	2 X 10 ng/vial	4°C
ARG81862-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81862-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81862-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81862-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81862-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81862-008	25X Wash buffer	20 ml	4°C
ARG81862-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81862-010	STOP solution	10 ml (Ready to use)	4°C
ARG81862-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81862 Human CD320 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD320 in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD320
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5%; Inter-Assay CV: 6.3%
Alternate Names	TCBLR; CD320 antigen; CD antigen CD320; Transcobalamin receptor; 8D6 antigen; 8D6; 8D6A; TCbLR; FDC-signaling molecule 8D6; FDC-SM-8D6

## Application Instructions

Assay Time ~ 5 hours

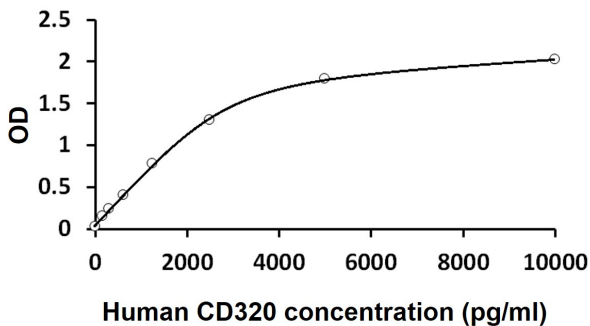
## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	CD320
Gene Full Name	CD320 molecule
Background	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 is involved in B-cell proliferation and immunoglobulin secretion. Mutations in this gene are associated with methylmalonic aciduria. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2011]
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. [UniProt]
Highlight	Related products:  New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81862 Human CD320 ELISA Kit standard curve image

ARG81862 Human CD320 ELISA Kit results of a typical standard run with optical density reading at 450 nm.