

Human CD320 ELISA Kit | CD320 elisa kit

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CATALOG #
AAA248823

REACTIVITY
Human

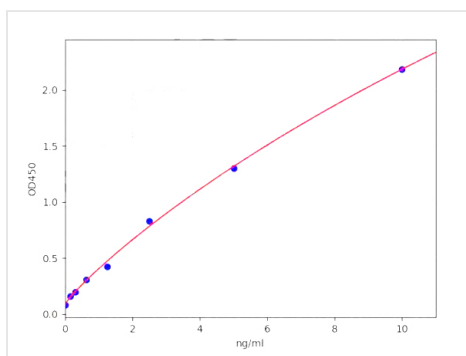
PRODUCT SYNONYMS

CD320; Human CD320 ELISA Kit; CD320 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize CD320, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD320 elisa kit	Background: Cluster of Differentiation 320 (CD320), also known as transcobalamin receptor, is a cell surface receptor that plays a crucial role in the cellular uptake of vitamin B12. It binds to the transcobalamin II-B12 complex, facilitating the internalization of vitamin B12 into cells. Vitamin B12 is essential for various cellular processes, including DNA synthesis, red blood cell formation, and neurological function. CD320-mediated uptake of vitamin B12 is particularly important for cells with high metabolic demands, such as rapidly dividing cells and cells of the nervous system. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CD320 antibody was precoated onto the 96-well plate. The biotin conjugated anti CD320 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CD320 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CD320 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cd320/248823>