

Humanin (MT-RNR2) ELISA Kit

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CATALOG #
AAA27608

REACTIVITY
Human

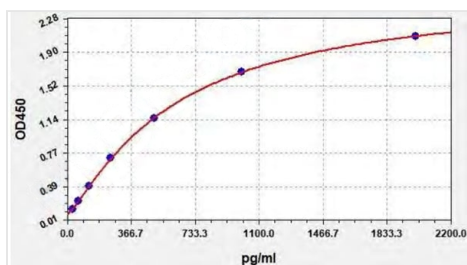
PRODUCT SYNONYMS

Humanin (MT-RNR2); Human humanin (MT-RNR2) ELISA Kit; Humanin (MT-RNR2) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize MT-RNR2, HN, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/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 Humanin (MT-RNR2) elisa kit	Background: Humanin is a polypeptide that is widely found in animals and is born in mitochondria, where it is conserved and has neuroprotective and cellular effects. Humanin peptides extend life and reduce the risk of age-related diseases such as Alzheimer's, and are key to regulating health and longevity in animals and humans. In many species, levels of Humanin polypeptides decline with age. The researchers also observed reduced levels of Humanin polypeptides in patients with Alzheimer's disease and MELAS (mitochondrial encephalopathy, lactic acidosis and stroke-like episodes). Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti MT-RNR2, HN antibody was pre-coated onto the 96-well plate. The biotin conjugated anti MT-RNR2, HN 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 MT-RNR2, HN 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 MT-RNR2, HN 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://stage.aaabiotech.com/human-elisa-kits/humanin-mt-rnr2/27608>