

Human Immunoglobulin J chain ELISA Kit | IGJ elisa kit

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CATALOG #
AAA17654

REACTIVITY
Human

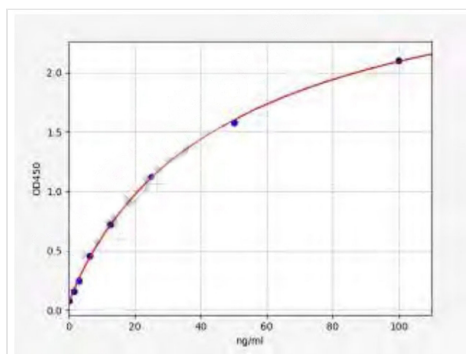
PRODUCT SYNONYMS

Immunoglobulin J chain; Human Immunoglobulin J chain ELISA Kit; IGJ/Immunoglobulin J chain/IGCJ; IGJ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize IGJ, no obvious cross reaction with other analogues
Sequence Length	159
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/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 IGJ elisa kit	Background: The immunoglobulin J chain (Ig J chain) is a linker protein for two monomer units of either immunoglobulin alpha (IgA) or mu (IgM) polypeptides. For IgA the J chained-joined dimer induces larger polymers whereas for the IgM pentamer it functions as a nucleating unit. The Ig J-chain is also important in binding these immunoglobulins to secretory components. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IGJ antibody was pre-coated onto the 96-well plate. The HRP conjugated anti IGJ 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, HRP detection antibody was added to bind with IGJ conjugated on coated antibody. After 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 acidic stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IGJ in the sample is positively correlated with OD450 and can be calculated by plotting the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21489959
NCBI GeneID	3512
NCBI Accession #	NP_653247.1
NCBI GenBank Nucleotide #	NM_144646.3
Molecular Weight	18,099 Da
NCBI Official Full Name	immunoglobulin J chain
NCBI Official Synonym Full Names	joining chain of multimeric IgA and IgM
NCBI Official Symbol	JCHAIN
NCBI Official Synonym Symbols	IGJ; JCH; IGCJ
NCBI Protein Information	immunoglobulin J chain
UniProt Protein Name	Immunoglobulin J chain
UniProt Gene Name	JCHAIN
UniProt Entry Name	IGJ_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.

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Online datasheet: <https://stage.aaabiotech.com/igj-human-elisa-kits/immunoglobulin-j-chain/17654>