

Human IgM ELISA Kit | IgM elisa kit

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CATALOG #
AAA281350

REACTIVITY
Human

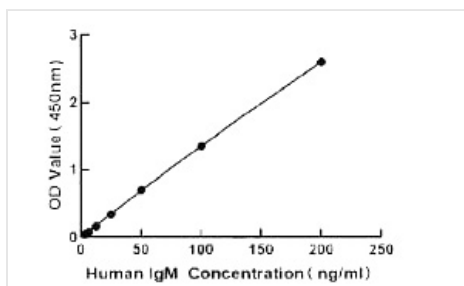
PRODUCT SYNONYMS

IgM; Human IgM ELISA Kit; IgM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural human IgM. The factors listed below were prepared at 50ng/ml and assayed for cross-reactivity.
Sequence Length	112
Assay Type	Quantitative Sandwich
Sensitivity	< 1.56ng/mL
Intra-assay Precision	Intra-plate Precision The three samples with known concentrations were repeated 20 times on the same board to calculate the coefficient of variation (CV) for the concentrations. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision The coefficient of variation (CV) of three known concentrations was calculated by 20 tests of two kits on each of the three samples. Inter-Assay: CV<15% Inter-Assay: CV<15%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgM elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for human IgM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IgM present is bound by the immobilized antibody. After washing away any unbound substances, a biotin-conjugated detection antibody specific for human IgM is added to the wells. After incubating, an enzyme-linked streptavidin is added and binds to biotin. Following a wash to remove any unbound antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IgM bound in the initial step. The color development is stopped, and the absorbance is measured.

Background/Introduction: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IgM in human serum, plasma, cell culture supernatants and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	473215
NCBI GeneID	3507
Molecular Weight	51,924 Da
NCBI Official Full Name	IgM, partial
NCBI Official Synonym Full Names	immunoglobulin heavy constant mu
NCBI Official Symbol	IGHM
NCBI Official Synonym Symbols	MU; VH; AGM1
UniProt Protein Name	Immunoglobulin heavy constant mu
UniProt Gene Name	IGHM

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/igm/281350>