

Canine Immunoglobulin M ELISA Kit | IgM elisa kit

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CATALOG #
AAA92805

REACTIVITY
Canine

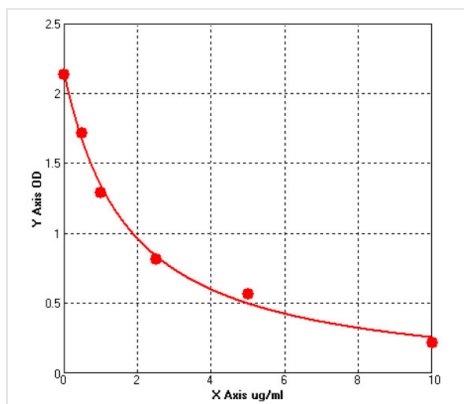
PRODUCT SYNONYMS

Immunoglobulin M; Canine Immunoglobulin M ELISA Kit; IgM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IgM. No significant cross-reactivity or interference between IgM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IgM and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 mg/mL
Intended Uses	This IGM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IGM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IgM elisa kit	Principle of the Assay: IgM ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-IgM antibody and an IgM-HRP conjugate. The assay sample and buffer are incubated together with IgM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IgM concentration since IgM from samples and IgM-HRP conjugate compete for the anti-IgM antibody binding site. Since the number of sites is limited, as more sites are occupied by IgM from the sample, fewer sites are left to bind IgM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IgM concentration in each sample is interpolated from this standard curve. Intended Uses: This IgM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IgM. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for IgM elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	685030
NCBI Official Full Name	IgM, partial

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/igm-canine-elisa-kits/immunoglobulin-m/92805>