

Canine Immunoglobulin E ELISA Kit | IgE elisa kit

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CATALOG #
AAA88713

REACTIVITY
Canine

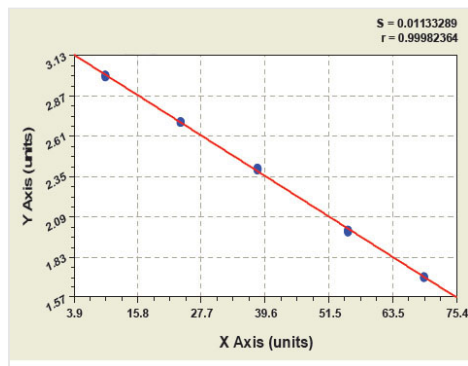
PRODUCT SYNONYMS

Immunoglobulin E; Canine Immunoglobulin E ELISA Kit; IgE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This IgE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IgE. 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 IgE elisa kit

Principle of the Assay: IgE ELIS A kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IgE antibody and an IgE-HRP conjugate. The assay sample and buffer are incubated together with IgE-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 IgE concentration since IgE from samples and IgE-HRP conjugate compete for the anti-IgE antibody binding site. Since the number of sites is limited, as more sites are occupied by IgE from the sample, fewer sites are left to bind IgE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IgE concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IgE elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5305665
NCBI Official Full Name	immunoglobulin E heavy chain, 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://stage.aaabiotech.com/ige-canine-elisa-kits/immunoglobulin-e/88713>