

Mouse heparin-binding EGF-like growth factor (HBEGF) ELISA Kit | HBEGF elisa kit

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CATALOG #
AAA245374

REACTIVITY
Mouse

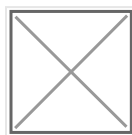
PRODUCT SYNONYMS

heparin-binding EGF-like growth factor (HBEGF); Mouse heparin-binding EGF-like growth factor (HBEGF) ELISA Kit; HBEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 mg/L.
Intended Uses	This Bordetella pertussis IgG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Bordetella pertussis IgG. 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 HBEGF elisa kit

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

Product Categories/Family for HBEGF elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #

183867

NCBI GeneID	1839
Molecular Weight	23,067 Da
NCBI Official Full Name	heparin-binding EGF-like growth factor
NCBI Official Synonym Full Names	heparin-binding EGF-like growth factor
NCBI Official Symbol	HBEGF
NCBI Official Synonym Symbols	DTR; DTS; DTSF; HEGFL
NCBI Protein Information	proheparin-binding EGF-like growth factor; heparin-binding epidermal growth factor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)
UniProt Protein Name	Proheparin-binding EGF-like growth factor
UniProt Gene Name	HBEGF
UniProt Synonym Gene Names	DTR; DTS; HEGFL; HB-EGF; HBEGF; DT-R
UniProt Entry Name	HBEGF_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/mouse-elisa-kits/heparin-binding-egf-like-growth-factor-hbegf/245374>