

Rat High affinity immunoglobulin epsilon receptor subunit gamma (FCER1G) ELISA Kit | FCER1G elisa kit

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CATALOG # AAA246134	REACTIVITY Rat
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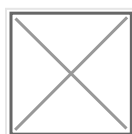
PRODUCT SYNONYMS

High affinity immunoglobulin epsilon receptor subunit gamma (FCER1G); Rat High affinity immunoglobulin epsilon receptor subunit gamma (FCER1G) ELISA Kit; FCER1G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCER1G elisa kit	Intended Uses: This FcepsilonRIgamma ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FcepsilonRIgamma. This ELISA kit for research use only! Principle of the Assay FcepsilonRIgamma ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FcepsilonRIgamma antibody and an FcepsilonRIgamma-HRP conjugate. The assay sample and buffer are incubated together with FcepsilonRIgamma-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 FcepsilonRIgamma concentration since FcepsilonRIgamma from samples and FcepsilonRIgamma-HRP conjugate compete for the anti-FcepsilonRIgamma antibody binding site. Since the number of sites is limited, as more sites are occupied by FcepsilonRIgamma from the sample, fewer sites are left to bind FcepsilonRIgamma-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FcepsilonRIgamma concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FCER1G elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758344
NCBI GeneID	2207
NCBI Accession #	NP_004097.1
NCBI GenBank Nucleotide #	NM_004106.1
Molecular Weight	9,667 Da
NCBI Official Full Name	high affinity immunoglobulin epsilon receptor subunit gamma
NCBI Official Synonym Full Names	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide
NCBI Official Symbol	FCER1G
NCBI Official Synonym Symbols	FCRG
NCBI Protein Information	high affinity immunoglobulin epsilon receptor subunit gamma; fcRgamma; fceRI gamma; fc-epsilon RI-gamma; Fc receptor gamma-chain; immunoglobulin E receptor, high affinity, gamma chain
UniProt Protein Name	High affinity immunoglobulin epsilon receptor subunit gamma
UniProt Gene Name	FCER1G
UniProt Synonym Gene Names	FcRgamma; FceRI gamma
UniProt Entry Name	FCERG_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/rat-elisa-kits/high-affinity-immunoglobulin-epsilon-receptor-subunit-gamma-fcer1g/246134>