

Rat B cell differentiation factor ELISA Kit | BCDE elisa kit

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CATALOG #
AAA82141

REACTIVITY
Rat

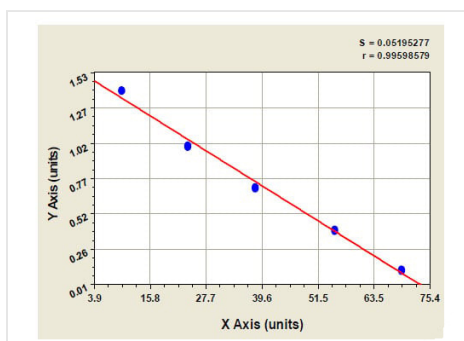
PRODUCT SYNONYMS

B cell differentiation factor; Rat B cell differentiation factor ELISA Kit; BCDE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BCDF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BCDF. 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 BCDE elisa kit

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

Product Categories/Family for BCDE elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29393
NCBI GeneID	3567
UniProt Accession #	P05113; Q13840
Molecular Weight	15,238 Da
NCBI Official Full Name	B cell differentiation factor I
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	IL5
NCBI Official Synonym Symbols	EDF; TRF; IL-5
NCBI Protein Information	interleukin-5; T-cell replacing factor; B-cell differentiation factor I; eosinophil differentiation factor; colony-stimulating factor, eosinophil
UniProt Protein Name	Interleukin-5
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; TRF
UniProt Entry Name	IL5_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/bcde-rat-elisa-kits/b-cell-differentiation-factor/82141>