

Rat CXCL5 ELISA Kit | CXCL5 elisa kit

Rat CXCL5 ELISA Kit

CATALOG #
AAA263158

REACTIVITY
Rat

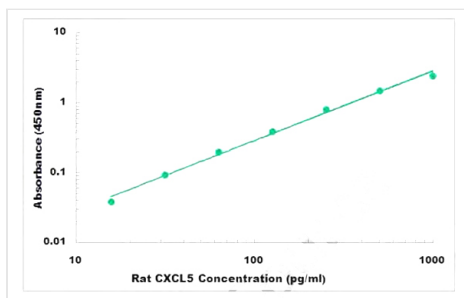
PRODUCT SYNONYMS

CXCL5; Rat CXCL5 ELISA Kit; ENA78; SCYB5; C-X-C motif chemokine 5; ENA-78(1-78); Epithelial-derived neutrophil-activating protein 78; Neutrophil-activating peptide ENA-78; Small-inducible cytokine B5; CXCL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CXCL5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CXCL5 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	130
Samples	Culture Supernates, Serum, Plasma, Tissue Homogenates
Sensitivity	< 1 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL5 elisa kit	Background: C-X-C motif chemokine 5 is a protein that in humans encoded by the CXCL5 gene. The protein encoded by this gene, CXCL5 is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78(ENA-78). It is produced following stimulation of cells with the inflammatory cytokines interleukin-1or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II interferon IFN-gamma. This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. The gene for CXCL5 is encoded on four exons and is located on humanchromosome 4 amongst several other CXC chemokine genes. CXCL5 has been implicated in connective tissue remodeling. CXCL5 plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which can be utilized to understand more about pain in other inflammatory conditions like arthritis and cystitis. Principle of the Assay: The AAA Biotech' Rat CXCL5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CXCL5 in Cell Culture Supernates, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Rat CXCL5 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CXCL5 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CXCL5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11559996
NCBI GeneID	60665
NCBI Accession #	NP_071550.1
NCBI GenBank Nucleotide #	NM_022214.1
UniProt Accession #	P97885
Molecular Weight	14,263 Da
NCBI Official Full Name	C-X-C motif chemokine 5
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 6
NCBI Official Symbol	Cxcl6
NCBI Official Synonym Symbols	Cxcl5
NCBI Protein Information	C-X-C motif chemokine 5
UniProt Protein Name	C-X-C motif chemokine 5
UniProt Gene Name	Cxcl5
UniProt Synonym Gene Names	Scyb5
UniProt Entry Name	CXCL5_RAT

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/cxcl5/263158>