

Human CXCL5/ENA-78 ELISA Kit | CXCL5 elisa kit

Human CXCL5/ENA-78 PicoKine ELISA Kit

CATALOG #
AAA45526

REACTIVITY
Human

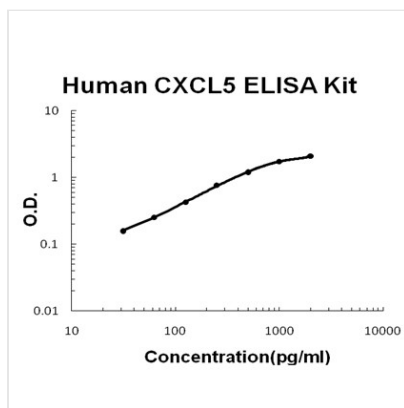
PRODUCT SYNONYMS

CXCL5/ENA-78; Human CXCL5/ENA-78 PicoKine ELISA Kit; C-X-C motif chemokine 5; chemokine (C-X-C motif) ligand 5; AMCF II; AMCFII; C X C motif chemokine 5; Chemokine (C X C motif) ligand 5; CXCL 5; ENA 78; ENA78; Epithelial derived neutrophil activating protein 78; GCP 2; LIX; Neutrophil activating peptide ENA 78; Neutrophil activating protein 78; SCYB5; Scyb6; Small inducible cytokine B5; Small inducible cytokine subfamily B (Cys X Cys) member 5 (epithelial derived neutrophil activating peptide 78); Small inducible cytokine subfamily B; member 15; CXCL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CXCL5
Sequence Length	114
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CXCL5/ENA-78 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL5 elisa kit

Principle of the assay: human CXCL5 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CXCL5 has been precoated onto 96-well plates. Standards(E.coli,A37-N114) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL5 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CXCL5 amount of sample captured in plate.

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-1 or 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 human chromosome 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1169525
NCBI GeneID	6374
UniProt Accession #	P42830; Q96QE1
Molecular Weight	11,972 Da
NCBI Official Full Name	C-X-C motif chemokine 5
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 5
NCBI Official Symbol	CXCL5
NCBI Official Synonym Symbols	SCYB5; ENA-78
NCBI Protein Information	C-X-C motif chemokine 5; neutrophil-activating protein 78; neutrophil-activating peptide ENA-78; epithelial-derived neutrophil-activating protein 78; small inducible cytokine subfamily B (Cys-X-Cys), member 5 (epithelial-derived neutrophil-activating peptide 78)
UniProt Protein Name	C-X-C motif chemokine 5
UniProt Gene Name	CXCL5
UniProt Synonym Gene Names	ENA78; SCYB5
UniProt Entry Name	CXCL5_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/human-elisa-kits/cxcl5-ena-78/45526>