

Mouse Epithelial neutrophil activating peptide 78 (ENA-78) ELISA Kit

Catalog No: #EK12195

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Package Size: #EK12195-1 48T #EK12195-2 96T

Description

Product Name	Mouse Epithelial neutrophil activating peptide 78 (ENA-78) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ENA-78; SCYB5; epithelial-derived neutrophil activating protein 78 epithelial-derived neutrophil-activating peptide 78 neutrophil-activating peptide ENA-78 neutrophil-activating protein 78 small ind
Accession No.	P50228
Uniprot	P50228
GeneID	20311;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:2.47-200 pg/mL
Sensitivity:0.97 pg/mL
Sample Type:Serum, Plasma, Other biological fluids
Sample Volume: 1-200 µL
Assay Time:1-4.5h
Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CXCL5 in samples. An antibody specific for CXCL5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCXCL5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CXCL5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CXCL5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ENA-78 is a CXC chemokine that was originally isolated from media conditioned by the growth of a mouse lung type-II alveolar epithelial cell line (A549) stimulated by IL-1 or TNF. The full-length cDNA encodes a 114 amino acid (aa) residue precursor protein with a 36 aa residue signal peptide that is cleaved to generate the 78 aa residue secreted protein. ENA-78 shares significant amino acid sequence identity with NAP-2 (53%), GRO., and (52%, 48% and 51%, respectively), and IL-8 (22%). The gene for ENA-78 has been mapped to chromosome 4q13-q21. Like other CXC chemokines, ENA-78 is a neutrophil attractant and activator in vitro. Based on cross-desensitization experiments, it has been suggested that ENA-78 activity can be mediated through the IL-8 receptor system.

Note: This product is for in vitro research use only