

Human Mucosae associated epithelia chemokine (MEC) ELISA Kit



Catalog No: #EK11309

Orders: order@signalwayantibody.com

Package Size: #EK11309-1 48T #EK11309-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Mucosae associated epithelia chemokine (MEC) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CCK1; MEC; MGC71902; SCYA28; CC chemokine CCL28 mucosae-associated epithelial chemokine small inducible cytokine A28 small inducible cytokine subfamily A (Cys-Cys); member 28
Accession No.	Q9NRJ3
Uniprot	Q9NRJ3
GeneID	56477;
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:0.156-10 ng/mL

Sensitivity:0.057 ng/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 CCL28 in samples. An antibody specific for CCL28 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCCL28 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CCL28 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 CCL28 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CCL28 is a chemokine. CCL28 regulates the chemotaxis of cells that express the chemokine receptors CCR3 and CCR10. CCL28 is expressed by columnar epithelial cells in the gut, lung, breast and the salivary glands and drives the mucosal homing of T and B lymphocytes that express CCR10, and the migration of eosinophils expressing CCR3.

This chemokine is constitutively expressed in the colon, but its levels can be increased by pro-inflammatory cytokines and certain bacterial products implying a role in effector cell recruitment to sites of epithelial injury. CCL28 has also been implicated in the migration of IgA-expressing cells to the mammary gland, salivary gland, intestine and other mucosal tissues.

Note: This product is for in vitro research use only