

Human C-X-C chemokine receptor type 2 (IL8RB) ELISA Kit



Catalog No: #EK11551

Orders: order@signalwayantibody.com

Package Size: #EK11551-1 48T #EK11551-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human C-X-C chemokine receptor type 2 (IL8RB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CD182; CDw128b; CMKAR2; IL8R2; IL8RA; IL8RB; CXCR2 gene for IL8 receptor type B GRO/MGSA receptor chemokine (CXC) receptor 2 high affinity interleukin-8 receptor B interleukin 8 receptor B interleuk
Accession No.	P25025
Uniprot	P25025
GeneID	3579;
Storage	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. 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).

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.2 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 IL8RB in samples. An antibody specific for IL8RB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL8RB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL8RB 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 IL8RB bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Interleukin 8 receptor, beta is a chemokine receptor. IL8RB is also known as CXCR2, and CXCR2 is now the IUPHAR Committee on Receptor Nomenclature and Drug classification-recommended name.The protein encoded by this gene is a member of the G-protein coupled receptor family.

This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. In addition, it binds ligands CXCL2, CXCL3, and CXCL5.

Note: This product is for in vitro research use only