Bovine RELT-like protein 1 (RELL1) ELISA Kit

Catalog No: #EK11387

Package Size: #EK11387-1 48T #EK11387-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Bovine RELT-like protein 1 (RELL1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ21778; MGC50583; receptor expressed in lymphoid tissues like 1|tmp_locus_29
Accession No.	Q08DP3
Uniprot	Q08DP3
GeneID	768210;
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:31.25-2000 pg/mL

Sensitivity:13.4 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 RELL1 in samples. An antibody specific for RELL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRELL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RELL1 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 RELL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The predicted RELL1 sequence contains a transmembrane domain but lacks extracellular cysteine-rich domains. RELL1 shares 32% and 40% amino acid identity with RELT and RELL2, respectively. Northern blot analysis detected an approximately 4-kb transcript in all human tissues examined with highest expression in placenta, spleen, skeletal muscle, and testis. Immunofluorescent confocal microscopy localized RELL1 to the plasma membrane in COS-7 cells and colocalized RELL1 with RELL2 and RELT. Coimmunoprecipitation studies showed that RELL1 interacted with RELL2, RELT, and OSR1. By in vitro kinase assay, Cusick et al. (2006) showed that RELL1, RELL2, and RELT were phosphorylated by OSR1.

Note: This product is for in vitro research use only