

Human NKG2D ligand 4 (RAET1E) ELISA Kit

Catalog No: #EK7808



Package Size: #EK7808-1 48T #EK7808-2 96T

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Description

Product Name	Human NKG2D ligand 4 (RAET1E) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LETAL; MGC125308; MGC125309; RAET1E2; ULBP4; bA350J20.7; lymphocyte effector toxicity activation ligand
Accession No.	Q8TD07
Uniprot	Q8TD07
GenID	135250;
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:1.56-100 ng/mL

Sensitivity:0.39 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 RAET1E in samples. An antibody specific for RAET1E has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRAET1E present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RAET1E 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 RAET1E bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Members of the RAET1 family, such as RAET1E, are major histocompatibility complex (MHC) class I-related genes located within a 180-kb cluster on chromosome 6q24.2-q25.3. RAET1 proteins contain MHC class I-like alpha-1 and alpha-2 domains. RAET1E and RAET1G differ from the other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences.

The deduced 263-amino acid protein contains alpha-1 and alpha-2 domains, a transmembrane domain, and a short cytoplasmic tail. Real-time RT-PCR detected highest expression in skin, with much lower expression in trachea and trace levels in other tissues.

Note: This product is for in vitro research use only