

Human TNFSF14/LIGHT ELISA Kit | TNFSF14 elisa kit

Human TNFSF14/LIGHT PicoKine ELISA Kit

CATALOG #
AAA45822

REACTIVITY
Human

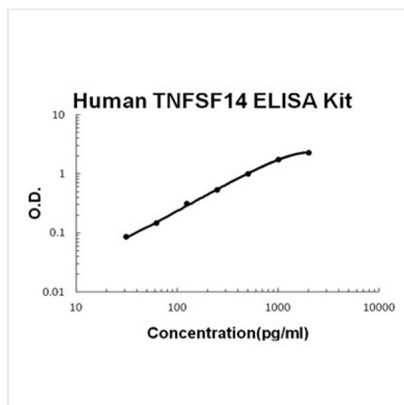
PRODUCT SYNONYMS

TNFSF14/LIGHT; Human TNFSF14/LIGHT PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 14; tumor necrosis factor (ligand) superfamily member 14; CD258; Delta transmembrane LIGHT; Herpes virus entry mediator ligand; Herpesvirus entry mediator A; Herpesvirus entry mediator ligand; HVEM L; HVEM-L; HVEML; Ligand for herpesvirus entry mediator; LTg; TNF14_HUMAN; Tnfsf14; Tumor necrosis factor (ligand) superfamily member 14; Tumor necrosis factor receptor like 2; Tumor necrosis factor superfamily member LIGHT; TNFSF14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFSF14
Sequence Length	240
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human TNFSF14/LIGHT PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF14 elisa kit	Principle of the assay: human TNFSF14 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFSF14 has been precoated onto 96-well plates. Standards(NSO, D74-V240) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFSF14 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TNFSF14 amount of sample captured in plate. Background: Tumor necrosis factor ligand superfamily member 14 is a protein that in humans is encoded by the TNFSF14 gene. TNFSF14 has also been designated as CD258, as well as LIGHT. It was mapped on chromosome 19p13.3. The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313104028
NCBI GeneID	8740
UniProt Accession #	O43557; O75476; Q6FHA1; Q8WVF8; Q96LD2; A8K7M2; C9J5H4
Molecular Weight	22,395 Da
NCBI Official Full Name	Tumor necrosis factor ligand superfamily member 14
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 14
NCBI Official Symbol	TNFSF14
NCBI Official Synonym Symbols	LTg; TR2; CD258; HVEM; LIGHT
NCBI Protein Information	tumor necrosis factor ligand superfamily member 14; delta transmembrane LIGHT; herpesvirus entry mediator A; herpesvirus entry mediator ligand; herpesvirus entry mediator-ligand; herpes virus entry mediator ligand; ligand for herpesvirus entry mediator; tumor necrosis factor receptor-like 2; tumor necrosis factor superfamily member LIGHT
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 14
UniProt Gene Name	TNFSF14
UniProt Synonym Gene Names	HVEM; LIGHT; HVEM-L; Herpesvirus entry mediator ligand
UniProt Entry Name	TNF14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.