

## Human TNFRSF14/HVEM ELISA Kit | TNFRSF14 elisa kit

Human TNFRSF14/HVEM PicoKine ELISA Kit

CATALOG #  
**AAA45959**

REACTIVITY  
**Human**

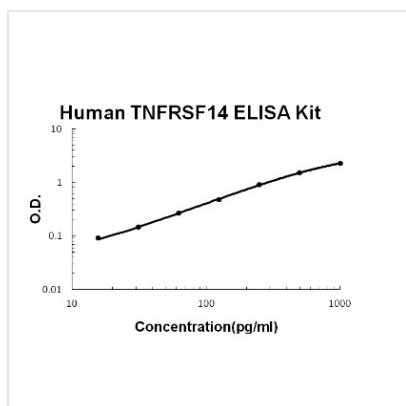
### PRODUCT SYNONYMS

TNFRSF14/HVEM; Human TNFRSF14/HVEM PicoKine ELISA Kit; Protein Tnfrsf14; tumor necrosis factor receptor superfamily; member 14; CD270; Herpes virus entry mediator A; Herpesvirus entry mediator A; HveA; TNFRSF14; TNFR14\_HUMAN; TR2; Tumor necrosis factor receptor superfamily member 14; Tumor necrosis factor receptor-like 2; TNFRSF14 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant human TNFRSF14                                                                                                                |
| Sequence Length         | 283                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                             |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 15.6pg/ml-1000pg/ml                                                                                                                                   |
| Sensitivity             | < 1pg/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 TNFRSF14/HVEM PicoKine ELISA Kit standard curve

## ADDITIONAL INFORMATION

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| <b>Related Product Information for TNFRSF14 elisa kit</b> | <p><b>Principle of the assay:</b> human TNFRSF14 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFRSF14 has been precoated onto 96-well plates. Standards(NSO, L39-V202) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF14 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 TNFRSF14 amount of sample captured in plate.</p> <p><b>Background:</b> Tumor necrosis factor receptor superfamily member 14 (TNFRSF14), also known as HVEM, is a protein that in humans is encoded by the TNFRSF14 gene. The protein encoded by this gene is a member of the TNF-receptor superfamily. It is mapped to 1p36.32. HVEM plays an important role in HSV pathogenesis because it enhanced the entry of several wildtype HSV strains of both serotypes into CHO cells, and mediated HSV entry into activated human T cells. HVEM and BTLA which are form a bidirectional signaling pathway can regulate cell survival and inhibitory responses between interacting cells. HVEM as an important orchestrator of mucosal immunity integrates signals from innate lymphocytes to induce optimal epithelial Stat3 activation, which indicated that targeting HVEM with agonists could improve host defense.</p> |
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## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 13878821                                                                                                                                                                                                                              |
| NCBI GeneID                      | 8764                                                                                                                                                                                                                                  |
| UniProt Accession #              | Q92956; Q6IB95; Q8N634; Q8WXR1; Q96J31; Q9UM65; B3KW30; B9DI89                                                                                                                                                                        |
| Molecular Weight                 | 21,351 Da                                                                                                                                                                                                                             |
| NCBI Official Full Name          | Tumor necrosis factor receptor superfamily member 14                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | tumor necrosis factor receptor superfamily, member 14                                                                                                                                                                                 |
| NCBI Official Symbol             | TNFRSF14                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | TR2; ATAR; HVEA; HVEM; CD270; LIGHTR                                                                                                                                                                                                  |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 14; CD40-like protein; herpes virus entry mediator A; tumor necrosis factor receptor-like gene2; tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 14                                                                                                                                                                                  |
| UniProt Gene Name                | TNFRSF14                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | HVEA; HVEM; Herpesvirus entry mediator A; HveA; TR2                                                                                                                                                                                   |
| UniProt Entry Name               | TNR14_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.

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