

Tumor Necrosis Factor Receptor Superfamily, Member 14 (TNFRSF14) Active Protein | TNFRSF14 active protein

Active Tumor Necrosis Factor Receptor Superfamily, Member 14 (TNFRSF14)

CATALOG # AAA148209	HOST E Coli	REACTIVITY Human	APPLICATIONS Activity Assay, Cell Culture
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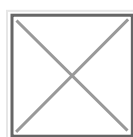
PRODUCT SYNONYMS

Tumor Necrosis Factor Receptor Superfamily; Member 14 (TNFRSF14); Active Tumor Necrosis Factor Receptor Superfamily; CD270; TR2; ATAR; HVEA; HVEM; LIGHTR; Herpesvirus Entry Mediator; Herpes virus entry mediator A; Tumor necrosis factor receptor-like 2; TNFRSF14 active protein

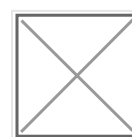
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	283
Applicable Applications for TNFRSF14 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Ser41~Ser209
Isoelectric Point	6.8

IMAGES



Application Data



SDS-PAGE



Activity

TNFRSF14 (Tumor necrosis factor receptor superfamily member 14) belongs to the tumor necrosis factor receptor superfamily. TNFRSF14 functions in signal transduction pathways that activate inflammatory and inhibitory T-cell immune response. It binds herpes simplex virus (HSV) viral envelope glycoprotein D (gD), mediating its entry into cells. A binding ELISA assay was conducted to detect the association of TNFRSF14 with TNFa. Briefly, TNFRSF14 were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL TNFRSF14 were then transferred to TNFa-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-TNFRSF14 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of TNFRSF14 and TNFa was shown in Figure 1, and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for TNFRSF14 active protein	Tumor immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23200041
NCBI GeneID	8764
NCBI Accession #	NP_003811.2
NCBI GenBank Nucleotide #	NM_003820.3
UniProt Accession #	Q92956; Q6IB95; Q8N634; Q8WXR1; Q96J31; Q9UM65; B3KW30; B9DI89
Molecular Weight	Predicted Molecular Weight: 21.6kDa Accurate Molecular Weight: 22kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 14 isoform 1
NCBI Official Synonym Full Names	TNF 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
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

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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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/tumor-necrosis-factor-receptor-superfamily-member-14-tnfrsf14/148209>