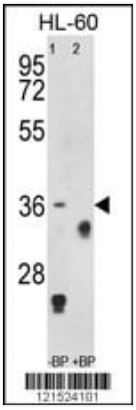
TNFRSF14 Antibody – Rabbit Polyclonal

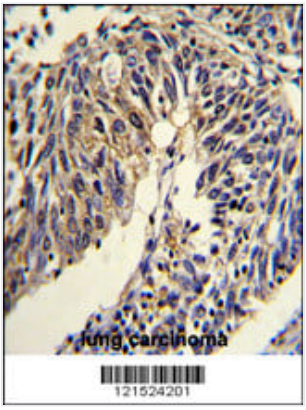
PRODUCT OVERVIEW

Product Name	TNFRSF14, Polyclonal Antibody
Full Product Name	TNFRSF14 Antibody (Center)
Product Gene Name	anti-TNFRSF14 antibody
Product Synonym Names	Tumor necrosis factor receptor superfamily member 14; Herpes virus entry mediator A; Herpesvirus entry mediator A; HveA; Tumor necrosis factor receptor-like 2; TR2; CD270; TNFRSF14; HVEA; HVEM
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This TNFRSF14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-236 amino acids from the Central region of human TNFRSF14.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	TNFRSF14 peptide (MBS9228012) is used for blocking the activity of TNFRSF14 antibody (MBS9212513)
Molecular Weight	30392
Immunogen Sequence Positions	210-236
OMIM	602746
3D Structure	ModBase 3D Structure for Q92956
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-TNFRSF14 antibody	Cancer; Immunology; Neuroscience; Signal transduction
Applications Tested/Suitable for anti-TNFRSF14 antibody	ELISA (EIA), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS), Western Blot (WB)
Application Notes for anti-TNFRSF14 antibody	WB~~1:1000
Related Product Information for anti-TNFRSF14 antibody	TNFRSF14 is a member of the TNF-receptor superfamily. This receptor was identified as a cellular mediator of herpes simplex virus (HSV) entry. Binding of HSV viral envelope glycoprotein D (gD) to this receptor protein has been shown to be part of the viral entry mechanism. The cytoplasmic region of this receptor was found to bind to several TRAF family members, which may mediate the signal transduction pathways that activate the immune response.
Product References and Citations for anti-TNFRSF14 antibody	Dubois,P.C., et.al., Nat. Genet. 42 (4), 295-302 (2010) Davila,S., et.al., Genes Immun. (2010) In press

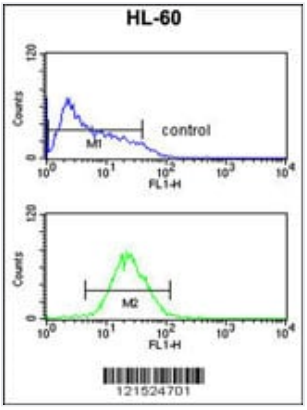
Other Notes	Small volumes of anti-TNFRSF14 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNFRSF14 purchase	MBS9212513 is an antibody targeting TNFRSF14. Also known as TNFRSF14 Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TNFRSF14 antibody
Western blot analysis of anti-TNFRSF14 Antibody (Center) Pab pre-incubated without(lane 1) and with(lane 2) blocking peptide in HL-60 cell line lysate. TNFRSF14 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-TNFRSF14 antibody
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with TNFRSF14 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-TNFRSF14 antibody
TNFRSF14 Antibody (Center) flow cytometric analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFRSF14. It may not necessarily be applicable to this product.

NCBI GI #	23200041
NCBI GeneID	8764
NCBI Accession #	NP_003811.2
UniProt Primary Accession #	Q92956
UniProt Secondary Accession #	Q6IB95; Q8N634; Q8WXR1; Q96J31; Q9UM65; B3KW30; B9DI89
UniProt Related Accession #	Q92956
GenBank Nucleotide #	NM_003820.3
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 14 isoform 1

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
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 14
UniProt Synonym Protein Names	Herpes virus entry mediator A; Herpesvirus entry mediator A; HveA; Tumor necrosis factor receptor-like 2; TR2; CD_antigen: CD270
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	TNFRSF14
UniProt Synonym Gene Names	HVEA; HVEM; Herpesvirus entry mediator A; HveA; TR2
UniProt Entry Name	TNR14_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 14
NCBI Summary for TNFRSF14	This gene encodes a member of the TNF (tumor necrosis factor) receptor superfamily. The encoded protein 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
UniProt Comments for TNFRSF14	TNFRSF14: Receptor for BTLA. Receptor for TNFSF14/LIGHT and homotrimeric TNFSF1/lymphotoxin-alpha. Involved in lymphocyte activation. Plays an important role in HSV pathogenesis because it enhanced the entry of several wild-type HSV strains of both serotypes into CHO cells, and mediated HSV entry into activated human T-cells. Protein type: Cell cycle regulation; Membrane protein, integral; Receptor, misc. Chromosomal Location of Human Ortholog: 1p36.32 Cellular Component: integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: viral receptor activity; protein binding; tumor necrosis factor receptor activity; ubiquitin protein ligase binding Biological Process: entry of virus into host cell; defense response to Gram-positive bacterium; positive regulation of peptidyl-tyrosine phosphorylation; cell surface receptor linked signal transduction; tumor necrosis factor-mediated signaling pathway; T cell costimulation; positive regulation of cytokine secretion during immune response; negative regulation of alpha-beta T cell proliferation; immune response; defense response to Gram-negative bacterium
Research Articles on TNFRSF14	**1.** HVEM may play a critical role in tumor progression and immune evasion
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