

For Research Use Only

HVEM/TNFRSF14 Recombinant monoclonal antibody

Catalog Number: 81078-6-RR



Basic Information

Catalog Number:	81078-6-RR	GenBank Accession Number:	BC002794	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	8764	CloneNo.:	250728B12
Source:	Rabbit	UNIPROT ID:	Q92956	Recommended Dilutions:	WB: 1:500-1:2000 IHC: 1:1000-1:4000
Isotype:	IgG	Full Name:	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)		
Immunogen Catalog Number:	EG1275	Calculated MW:	30 kDa		
		Observed MW:	40 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB: human urine,
Species Specificity:	IHC: human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The mammalian tumor necrosis factor receptor (TNFR) family consists of 10 cell-surface proteins that regulate development and homeostasis of the immune system. Member 14 of TNFR (TNFRSF14, also named as TR2, ATAR, HVEM, HVEM, LIGHT) was also identified as a mediator of herpesvirus entry into mammalian cells. The cytoplasmic region of TNFRSF14 bound to several members of the TNFR-associated factor (TRAF) family, namely TRAF1, TRAF2, TRAF3, and TRAF5. Transient transfection into human 293 cells caused marked activation of nuclear factor- B (NF- B), a transcriptional regulator of multiple immunomodulatory and inflammatory genes.

Storage

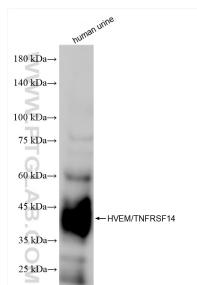
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

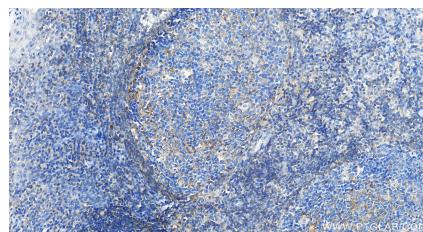
For technical support and original validation data for this product please contact:
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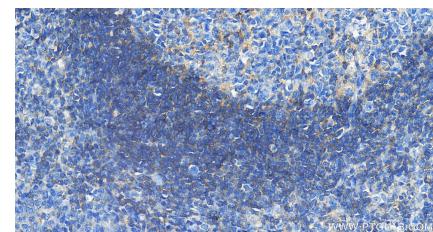
Selected Validation Data



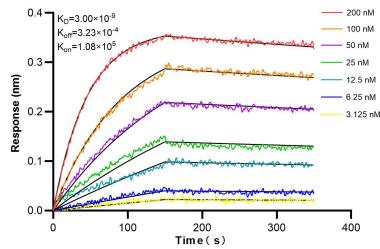
human urine sample was subjected to SDS PAGE followed by western blot with 81078-6-RR (HVEM/TNFRSF14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 81078-6-RR (HVEM/TNFRSF14 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 81078-6-RR (HVEM/TNFRSF14 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 81078-6-RR against Human HVEM/TNFRSF14 were performed. The affinity constant is 3.00 nM.