

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
Source: Rabbit	GeneID (NCBI): 8764	CloneNo.: 250728B12
Isotype: IgG	UNIPROT ID: Q92956	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:1000-1:4000
Immunogen Catalog Number: EG1275	Full Name: tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	
	Calculated MW: 30 kDa	
	Observed MW: 40 kDa	

Applications

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

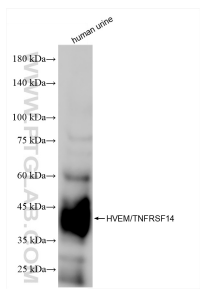
Background Information

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, HVEA, HVEM, LIGHTR) 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- κ B (NF- κ B), a transcriptional regulator of multiple immunomodulatory and inflammatory genes.

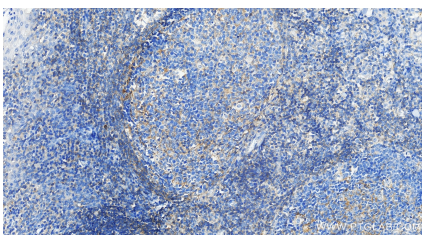
Storage

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

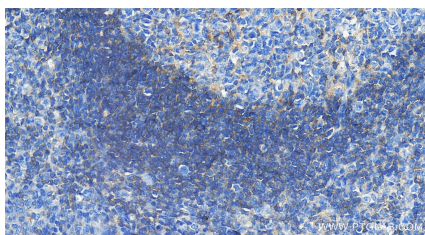
Selected Validation Data



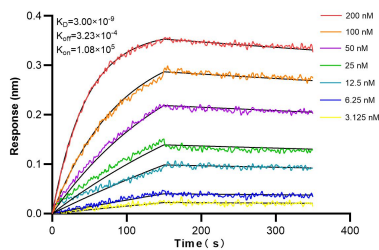
human urine sample was subjected to SDS PAGE followed by western blot with 81078-6-RR (HVEM/TNFRSF14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.