

Product Datasheet

HVEM/TNFRSF14 Antibody (HMHV-1B18) - Chimeric - Azide and BSA Free NBP3-09029-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 11/7/2023 v.20.1

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NBP3-09029-0.2mg

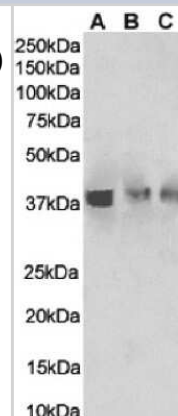
HVEM/TNFRSF14 Antibody (HMHV-1B18) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HMHV-1B18
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	8764
Gene Symbol	TNFRSF14
Species	Mouse
Immunogen	This antibody was raised by immunising Armenian hamsters with mouse HVEM:Fc fusion protein.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize, Functional Assay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize, Functional Assay
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques. This antibody has been used in FACS to demonstrate that lymphatic endothelial cells mediate deletion only via programmed cell death-1 (PD-1) ligand 1 (Tewalt et al 2012) and in Western Blot to study the role of LIGHT in the pathogenesis of hepatitis (Anand et al 2006). This antibody has been also been used in vivo experiments to study the mechanisms by which TNFSF14 functions to promote airway remodelling in asthma (Sibilano et al 2016), to confirm that costimulatory role through HVEM is not necessary for LIGHT-mediated liver inflammation (Anand et al 2006), and to investigate the role that herpesvirus entry mediator plays in the development of experimental conjunctivitis (Ishida et al, 2012). Treatment with this antibody has been observed to diminish plasma levels of antigen-specific IgG1 and IgE antibodies in mouse asthma models (Sibilano et al 2016), to interfere with the LIGHT-HVEM interaction but not interaction between B and T lymphocyte attenuator (BTLA) and HVEM in mouse hepatitis models (Anand et al 2006), and NOT to affect the development of experimental conjunctivitis in either the induction or the effector phase (Ishida et al, 2012).

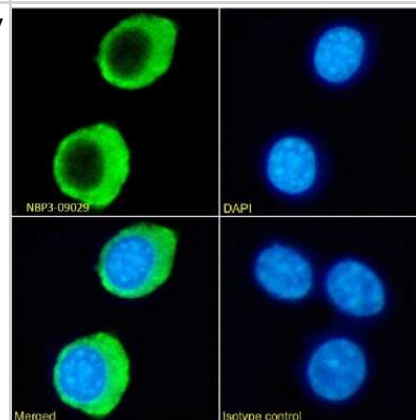


Images

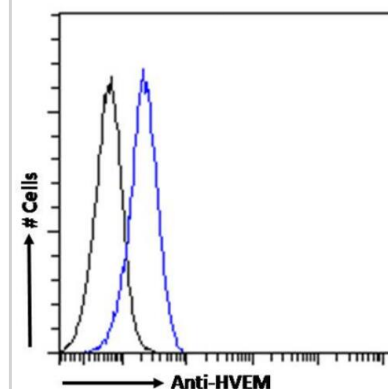
Western Blot: HVEM/TNFRSF14 Antibody (HMHV-1B18) - Chimeric [NBP3-09029] - Mouse spleen(A), mouse thymus (B) and mouse lung(C) tissue lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HMHV-1B18 (NBP3-09029) at 0.01 ug/ml, before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: HVEM/TNFRSF14 Antibody (HMHV-1B18) - Chimeric [NBP3-09029] - Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of HMHV-1B18 (NBP3-09029) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09029, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: HVEM/TNFRSF14 Antibody (HMHV-1B18) - Chimeric - Azide and BSA Free [NBP3-09029] - Paraformaldehyde fixed mouse splenocytes permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-09029 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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Products Related to NBP3-09029-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-61309-100ug	Recombinant Human HVEM/TNFRSF14 Fc fusion Protein
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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