

Product Datasheet

LAG-3 Antibody (C9B7W) - Chimeric - Azide and BSA Free NBP3-09044-0.2mg

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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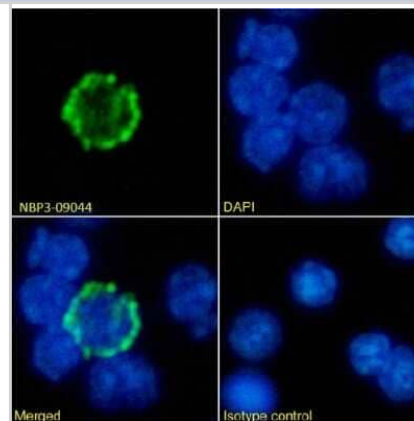
NBP3-09044-0.2mg

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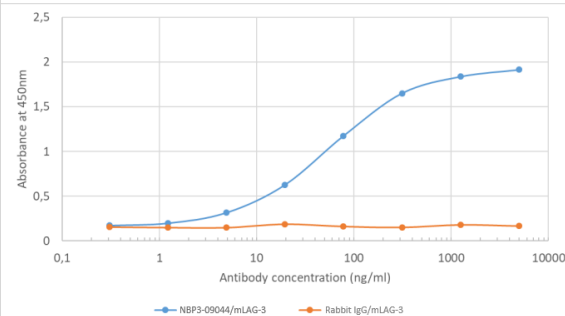
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C9B7W
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit LAG-3 Antibody (C9B7W) - Chimeric - Azide and BSA Free (NBP3-09044) is a recombinant monoclonal antibody validated for use in ELISA, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3902
Gene Symbol	LAG3
Species	Mouse
Specificity/Sensitivity	This antibody is specific for an epitope in the D2 domain of murine LAG-3.
Immunogen	This antibody was raised by immunising Lewis rats with a murine LAG-3:Ig fusion protein.
Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.</p> <p>This antibody has been used in flow cytometric analysis of splenocytes (Workman et al, 2005), T cell hybridomas expressing wild-type or chimeric CD4: murine LAG-3 (Workman et al, 2002) and CD4 positive regulatory T cells (Chien et al, 2017). It has also been used in immunoprecipitation analysis of murine T hybridoma 3A9 cells transduced with murine LAG-3 (Li et al, 2004). This antibody blocks LAG-3 function in vitro, inhibiting antigen-induced IL-2 production in LAG-3-expressing T cell hybridomas, but does not block LAG-3: MHC class II interaction (Workman et al, 2002). Treatment with this antibody also blocks LAG-3 function in vivo, leading to accelerated homeostatic expansion of WT T cells (Workman et al, 2005). Administration of this LAG-3-blocking antibody, in combination with PD-L1 blockade, synergistically improves the survival of lymphodepleted myeloma-bearing mice (Jing et al, 2015).</p>

Images

Immunocytochemistry/Immunofluorescence: LAG-3 Antibody (C9B7W) - Chimeric [NBP3-09044] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of C9B7W (NBP3-09044) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining in subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09044, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.



ELISA: LAG-3 Antibody (C9B7W) - Chimeric - Azide and BSA Free [NBP3-09044] - ELISA Plate coated with recombinant mouse LAG-3 Fc-Fusion Protein at a concentration of 2 ug/ml. A 4-fold serial dilution from 5,000 ng/ml was performed using NBP3-09044. For detection, a 1:4000 dilution of HRP-labelled anti-rabbit antibody was used.





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Products Related to NBP3-09044-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-85781PEP	LAG-3 Recombinant Protein Antigen
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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