

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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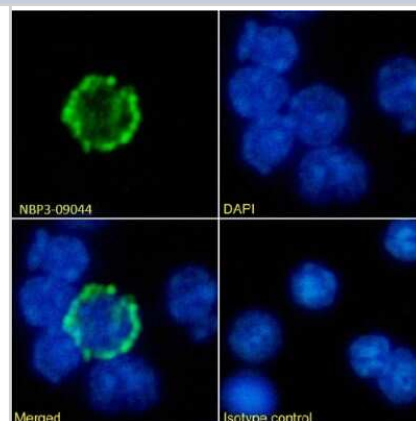
NBP3-09044-0.2mg

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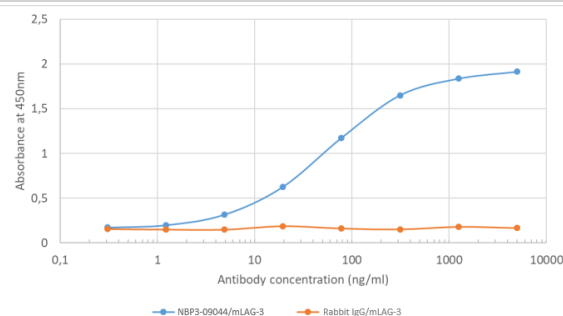
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C9B7W
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
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	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. 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).

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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