BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-LAG3 Antibody

Catalog Number: A02869

About LAG3

The lymphocyte activation gene-3 (LAG3) is a member of the immunoglobulin superfamily and binds MHC class II with high affinity (1), negatively regulating T-cell function and homeostasis (2). It is expressed in B, T, and NK cells, monocytes, and dendritic cells (3), and acts to regulate T cell expansion (4). LAG3 is also an important immune checkpoint protein, with anti-LAG3 antibodies activating T effector cells and affecting regulatory T cell functions. Furthermore LAG3 appears to act in a synergistic fashion with PD-1/PD-L1, suggesting that a dual antibody approach may prove useful in cancer immunotherapy (5).

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Overview

Product Name	Anti-LAG3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-LAG3 Antibody (Catalog # A02869). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	LAG3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	LAG3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P18627

Technical Details

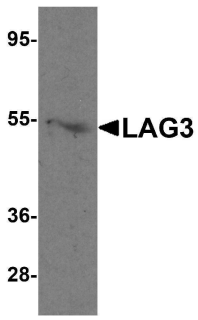
Immunogen	LAG3 antibody was raised against a peptide corresponding to 18 amino acids near the amino terminus of human LAG3. The immunogen is located within amino acids 110 - 160 of LAG3.
Predicted Reactive Species	Rat
Cross Reactivity	At least two antibodies are known to exist; this antibody will only detect the largest isoform.

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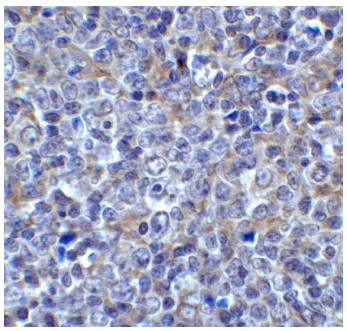
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	LAG3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LAG3 antibody can be used for Western blot at 1 - 2 ug/mL. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunoflorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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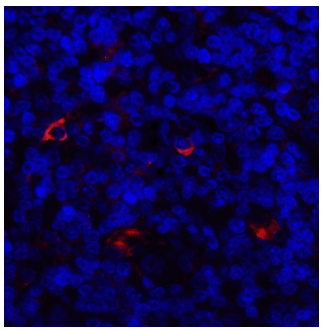
Anti-LAG3 Antibody (A02869) Images



Western blot analysis of LAG3 in mouse liver tissue lysate with LAG3 antibody at 1 ug/mL.



Immunohistochemistry of LAG3 in human tonsil tissue with LAG3 antibody at 5 ug/ml.



Immunofluorescence of LAG3 in human tonsil tissue with LAG3 antibody at 20 ug/ml.Red: LAG3 Antibody (A02869) Blue: DAPI staining

Anti-LAG3 Antibody

For Research Use Only. Not for use in diagnostic procedures.