

Product datasheet

Anti-LAG-3 antibody [BLR027F] ab243884

Recombinant

[6 Images](#)

Overview

Product name	Anti-LAG-3 antibody [BLR027F]
Description	Rabbit monoclonal [BLR027F] to LAG-3
Host species	Rabbit
Tested applications	Suitable for: WB, ICC, IHC-P, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human LAG-3 aa 500-525 (C terminal). The exact sequence is proprietary. NP_002277.4 and Gene ID 3902. Database link: P18627
Positive control	WB: HDLM-2 whole cell lysate. IP: HDLM-2 whole cell lysate. ICC: HDLM-2 cells. IHC-P: Human tonsil tissue.
General notes	This product is sold under License from Bethyl Laboratories, Inc.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.8 Preservative: 0.09% Sodium azide Constituents: 98% Borate buffered saline, 0.1% BSA
Purification notes	Recombinant antibody was purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR027F
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab243884 in the following tested applications.

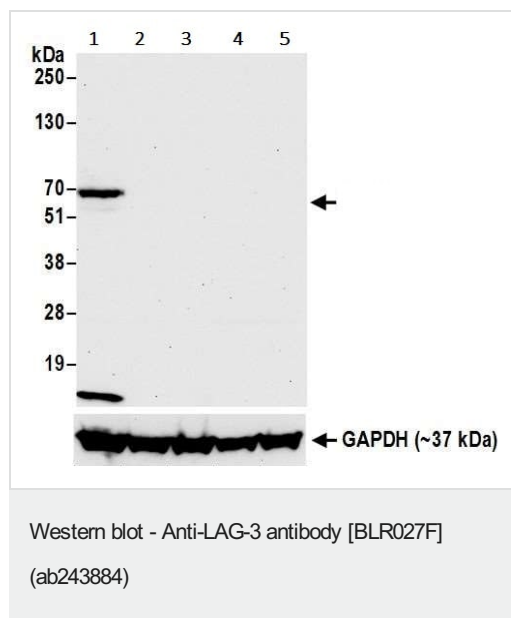
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000.
ICC		1/100 - 1/500.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration. Use 12µl/0.5mg lysate.

Target

Function	Involved in lymphocyte activation. Binds to HLA class-II antigens.
Tissue specificity	On cell surface of activated NK and T-lymphocytes.
Sequence similarities	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

Images



Western blot analysis using ab243884 at 1/1000 dilution.

Lane 1: HDLM-2 whole cell lysate (50 µg).

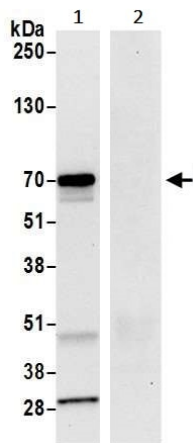
Lane 2: RPMI 8226 whole cell lysate (50 µg).

Lane 3: Jurkat whole cell lysate (50 µg).

Lane 4: MJ whole cell lysate (50 µg).

Lane 5: HEK-293T whole cell lysate (50 µg).

A HRP-conjugated goat anti-rabbit IgG antibody was used as the secondary. Detection: chemiluminescence with an exposure time of 30 seconds.



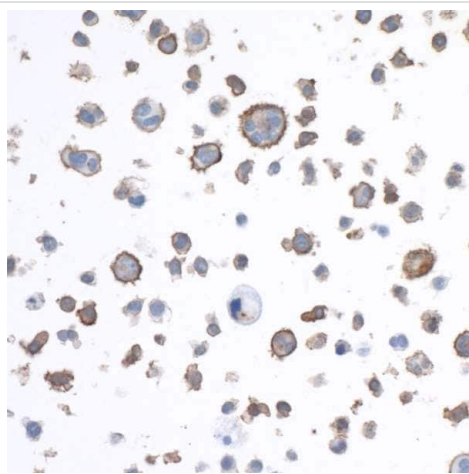
Immunoprecipitation - Anti-LAG-3 antibody
[BLR027F] (ab243884)

LAG-3 was immunoprecipitated from 0.5 mg HDLM-2 whole cell lysate with ab243884 at 12 μ l per reaction. Western blot was performed on the immunoprecipitate using ab243884 at 1/1000 dilution.

Lane 1: ab243884 IP in HDLM-2 whole cell lysate.

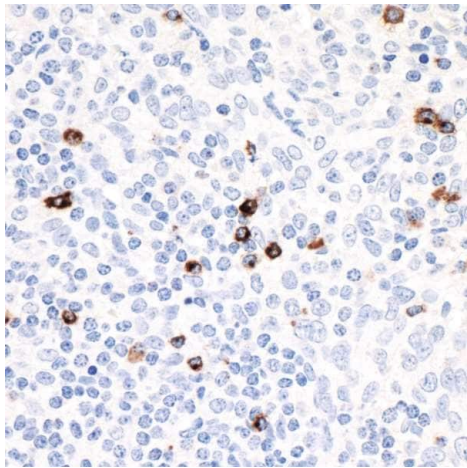
Lane 2: Control IgG IP in HDLM-2 whole cell lysate.

Detection: Chemiluminescence with an exposure time of 10 seconds.



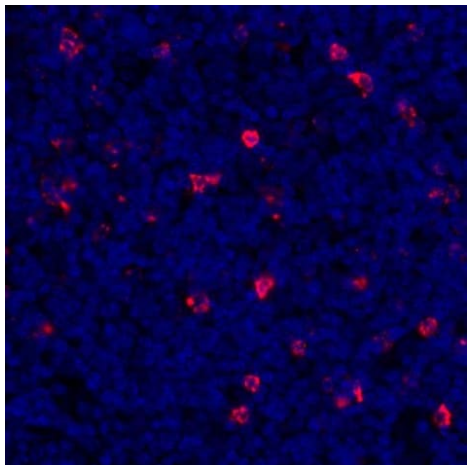
Immunocytochemistry - Anti-LAG-3 antibody
[BLR027F] (ab243884)

Formalin-fixed, paraffin-embedded HDLM-2 cells labeling LAG-3 using ab243884 at 1/100 dilution in ICC analysis. A HRP-conjugated goat-anti rabbit IgG was used as the secondary. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LAG-3 antibody [BLR027F] (ab243884)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for LAG-3 using ab243884 at 1/500 dilution in immunohistochemical analysis. A HRP-conjugated goat anti-rabbit antibody was used as the secondary. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LAG-3 antibody [BLR027F] (ab243884)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for LAG-3 (red) using ab243884 at 1/250 dilution in immunohistochemical analysis. A HRP-conjugated goat anti-rabbit antibody was used as the secondary. Counterstain: DAPI (blue).

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-LAG-3 antibody [BLR027F] (ab243884)

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