abcam

Product datasheet

Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free ab282638

リコンビナント RabMAb

画像数 8

製品の概要

製品名	Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free
製品の詳細	Rabbit monoclonal [EPR20261] to LAG-3 - Low endotoxin, Azide free
由来種	Rabbit
アプリケーション	**適用あり:** WB, IHC-P, Flow Cyt, IP, ICC/IF
種交差性	**交差種:** Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HDLM-2 cells and Human LAG-3 Fc chimera recombinant protein (aa23-450). IHC-P: Human tonsil and Hodgkin's lymphoma tissues. ICC/IF: HEK-293T cells transfected with a GFP-tagged LAG3 expression construct. Flow Cyt: HEK-293T transfected with a GFP-tagged human LAG-3 construct. IP: HEK-293T transfected with a GFP-tagged human LAG-3 construct whole cell lysate.
特記事項	ab282638 is a low endotoxin version of **ab227579**. Our **Low endotoxin, azide-free formats** have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.

バッファー	pH: 7.20 Constituent: 100% PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR20261
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab282638の使用に適用されます

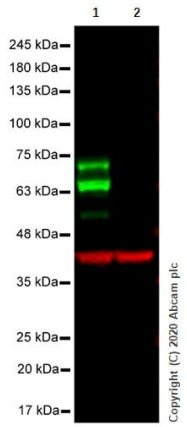
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 90 kDa (predicted molecular weight: 57 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Different mRNA expression levels of LAG3 in brain have been reported in the literature (PMID: 1692078; PMID: 12825348). In IHC, under our experimental conditions, this antibody showed no positive staining on human cerebral cortex.
Flow Cyt		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

機能	Involved in lymphocyte activation. Binds to HLA class-II antigens.
組織特異性	On cell surface of activated NK and T-lymphocytes.
配列類似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
細胞内局在	Membrane.

画像



Western blot - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

All lanes : Anti-LAG-3 antibody [EPR20261] (**ab209236**) at 1/500 dilution

Lane 1 : HDLM-2 (Human Hodgkin lymphoma) whole cell lysate
Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 57 kDa

This IHC data was generated using the same anti-LAG-3 antibody clone, EPR20261, in a different buffer formulation (**ab209236**).

Primary loading control and concentration: Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) at 1/20000 dilution

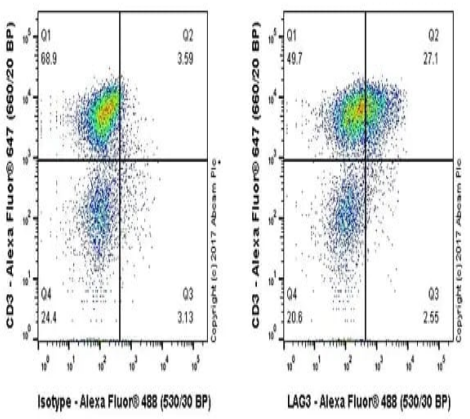
Secondary loading control and concentration: Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) at 1/10000 dilution

Lanes 1-2: Merged signal (red and green). Green – **ab209236** observed at 54-70 kDa. Red - loading control **ab8245** observed at 36 kDa.
ab209236 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800RCW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 10000 dilution for 1 hour at room temperature before imaging.

The expression profile observed in Jurkat is consistent with the literature (PMID: 25108024).

Negative control: Jurkat (PMID: 25108024)

Observed MW: 54-70 kDa

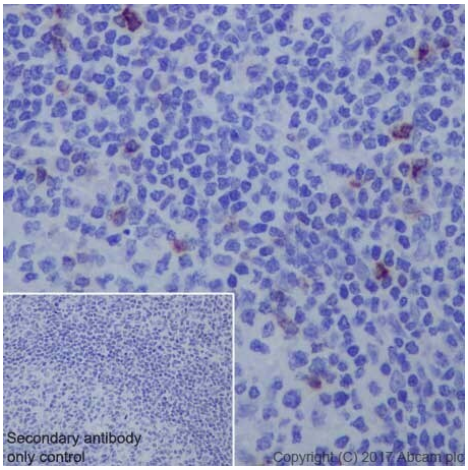


Flow Cytometry - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209236**).

Flow cytometric analysis of Human peripheral blood mononuclear cells treated with 1 µg/mL PHA for 3 days cells with **ab209236** at 1/50 dilution (right) compared with a rabbit monoclonal IgG isotype control (**ab172730**; left). **ab150077** at 1/2000 dilution was used as the secondary antibody.

Only the CD3+ population are also positive for LAG-3. Gated on total viable cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

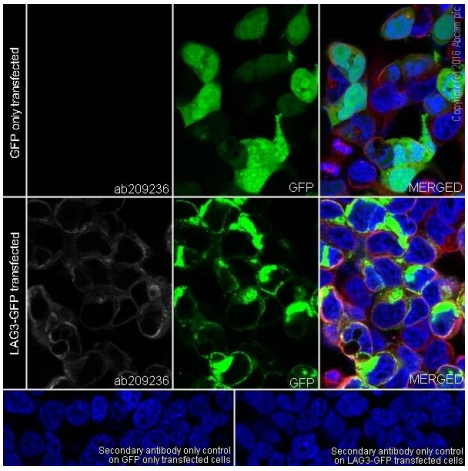
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209236**).

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling LAG-3 with **ab209236** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Sporadic cytoplasmic staining on immunocytes of human tonsil [PMID: 11527700; PMID: 16757686].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

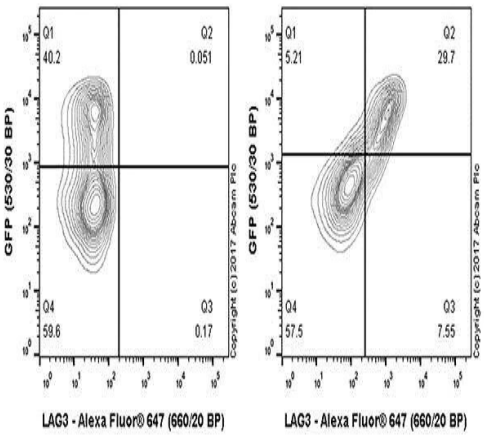
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209236**).

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293T (Human epithelial cell line from embryonic kidney) cells transfected with GFP-tagged LAG3 expression construct or GFP only, labeling LAG-3 with **ab209236** at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 647) (**ab150079**) secondary antibody at 1/1000 dilution (green).

Confocal image showing positive staining on HEK-293T cells transfected with a GFP-tagged LAG-3 expression construct.

The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab195889** (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594)) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 647) (**ab150079**) at 1/1000 dilution.

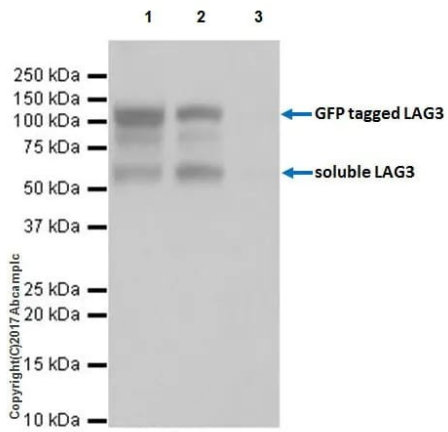


Flow Cytometry - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209236**).

Flow cytometric analysis of HEK-293T (Human epithelial cell line from embryonic kidney) cells transfected with a GFP-tagged human LAG3 construct labeling LAG-3 with **ab209236** at 1/500 dilution (right) compared with a rabbit monoclonal IgG isotype control (**ab172730**; left). Goat anti rabbit IgG (Alexa Fluor® 647) **ab150079** at 1/2000 dilution was used as the secondary antibody.

Note: Fresh cells without fixation and permeabilization were used to perform FC testing. Only GFP positive population results in LAG3 positive staining (Q2, right panel).



Western blot - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

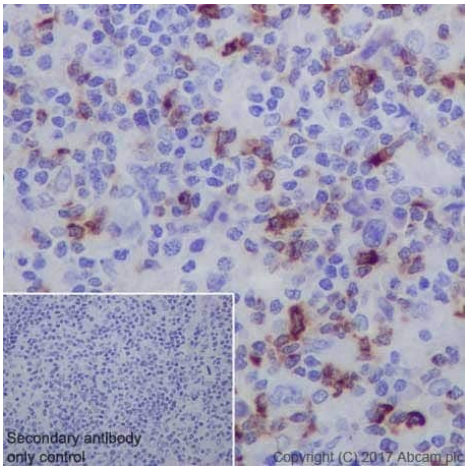
This IHC data was generated using the same anti-LAG-3 antibody clone, EPR20261, in a different buffer formulation (**ab209236**).

Immunohistochemical analysis of paraffin-embedded human tonsil Hodgkin's lymphoma labeling LAG-3 with **ab209236** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on immunocytes of the human Hodgkin's lymphoma [PMID: 11527700; PMID: 16757686].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

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Immunohistochemical analysis of paraffin-embedded human tonsil Hodgkin's lymphoma labeling LAG-3 with **ab209236** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on immunocytes of the human Hodgkin's lymphoma [PMID: 11527700; PMID: 16757686].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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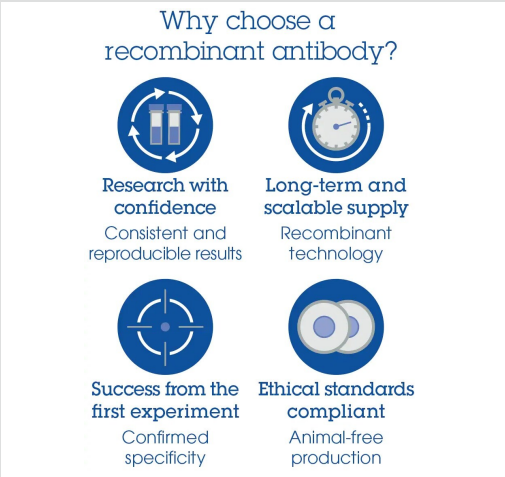

Anti-LAG-3 antibody [EPR20261] - Low endotoxin, Azide free (ab282638)

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