

### Anti-LAG-3 antibody [EPR20294-77] ab209238

リコンビナント **RabMAb**

★★★★★ **4 Abreviews** **3 References** 画像数 5

#### 製品の概要

製品名	Anti-LAG-3 antibody [EPR20294-77]
製品の詳細	Rabbit monoclonal [EPR20294-77] to LAG-3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, ICC/IF, IP
種交差性	<b>交差種:</b> Mouse
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: Mouse LAG-3 recombinant protein (aa24-442) tagged with murine IgG2A at the C-terminus; mouse splenocytes treated with 5 ug/ml concanavalin A for 72 hours, whole cell lysate. ICC/IF: Mouse splenocytes. IP: Mouse splenocytes treated with 5 µg/ml concanavalin A for 72 hours, whole cell lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR20294-77

アプリケーション

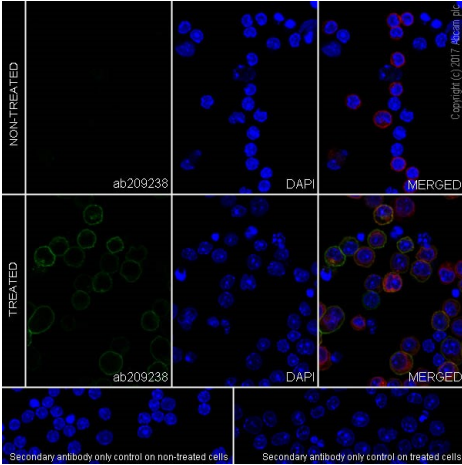
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab209238の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 54, 70 kDa (predicted molecular weight: 57 kDa).
ICC/IF		1/100.
IP		1/30.

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

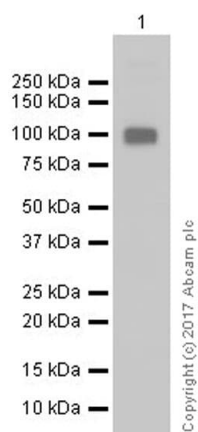


Immunocytochemistry/ Immunofluorescence - Anti-LAG-3 antibody [EPR20294-77] (ab209238)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized untreated and concanavalin A (2.5 µg/ml for 72 hours) treated mouse splenocytes labeling LAG-3 with ab209238 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing increased membranous staining following treatment of mouse splenocytes with concanavalin A (2.5 µg/ml for 72 hours) (PMID 20391435; PMID 26318293; PMID 11527700; PMID 19631993).

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

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/1000 dilution



Western blot - Anti-LAG-3 antibody [EPR20294-77]  
(ab209238)

Anti-LAG-3 antibody [EPR20294-77] (ab209238) at 1/10000 dilution + Mouse LAG-3 recombinant protein (aa24-442) tagged with murine IgG2A at the C-terminus, 10 ng

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Developed using the ECL technique.

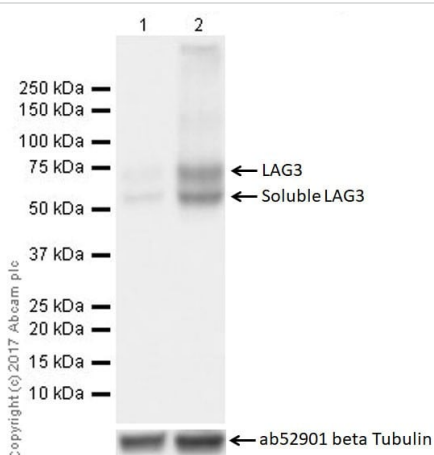
Performed under reducing conditions.

**Predicted band size:** 57 kDa

**Observed band size:** 100 kDa

**Exposure time:** 1 second

Blocking/Dilution Buffer: 5% NFDM/TBST



Western blot - Anti-LAG-3 antibody [EPR20294-77]  
(ab209238)

**All lanes :** Anti-LAG-3 antibody [EPR20294-77] (ab209238) at 1/1000 dilution

**Lane 1 :** Untreated mouse splenocytes whole cell lysate

**Lane 2 :** Mouse splenocytes treated with 5 ug/ml concanavalin A for 72 hours whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 57 kDa

**Observed band size:** 54, 70 kDa

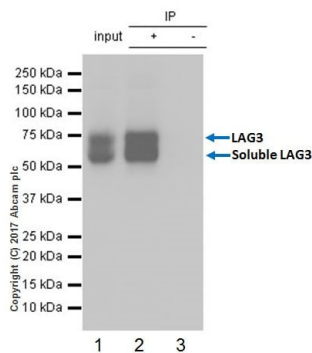
**Exposure time:** 10 seconds

Blocking/Dilution Buffer: 5% NFDM/TBST

The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument.

LAG3 expression can be elevated in activated splenocytes (PMID 19631993).

The molecular mass observed is consistent with the literature (PMID 15971272; PMID 15557174).



Immunoprecipitation - Anti-LAG-3 antibody  
[EPR20294-77] (ab209238)

LAG-3 was immunoprecipitated from 0.35 mg of mouse splenocytes (treated with 5 µg/ml concanavalin A for 72 hours) whole cell lysate with ab209238 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab209238 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Mouse splenocytes (treated with 5 µg/ml concanavalin A for 72 hours), whole cell lysate 10µg (Input).

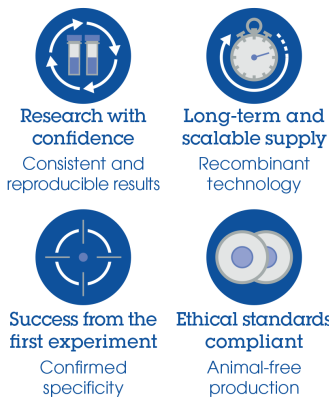
Lane 2: ab209238 IP in mouse splenocytes (treated with 5 µg/ml concanavalin A for 72 hours), whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab209238 in mouse splenocytes (treated with 5 µg/ml concanavalin A for 72 hours), whole cell lysate.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 1 second.

Why choose a  
recombinant antibody?



Anti-LAG-3 antibody [EPR20294-77] (ab209238)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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