

Anti-IL-1 alpha antibody [EPR19904-247] ab206410

リコンビナント RabMAb

4 References [画像数 4](#)

製品の概要

製品名	Anti-IL-1 alpha antibody [EPR19904-247]
製品の詳細	Rabbit monoclonal [EPR19904-247] to IL-1 alpha
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB
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: Human IL-1 alpha recombinant protein (aa113-271); THP-1 treated with 50 nM phorbol-12-myristate-13-acetate (PMA) and 5 ug/ml lipopolysaccharide (LPS) for 24 hours, cell lysate. Flow Cyt (intra): THP-1 treated with 50 nM phorbol-12-myristate-13-acetate (PMA) and 5 Åµg/ml lipopolysaccharide (LPS) for 24 hours.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EPR19904-247

アプリケーション

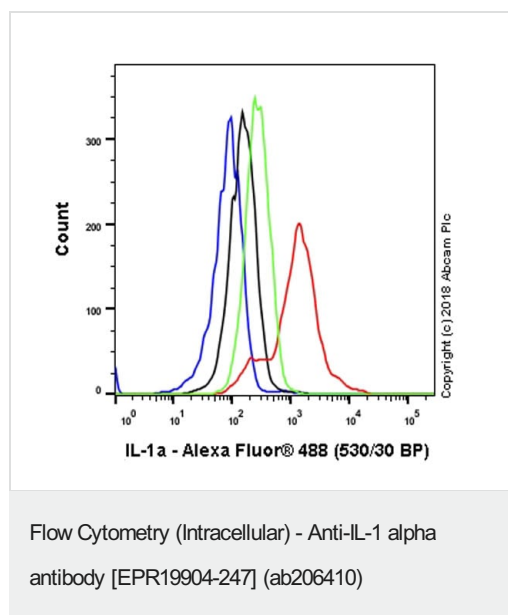
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab206410の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/60.
WB		1/1000. Detects a band of approximately 34, 20, 15 kDa (predicted molecular weight: 31 kDa).

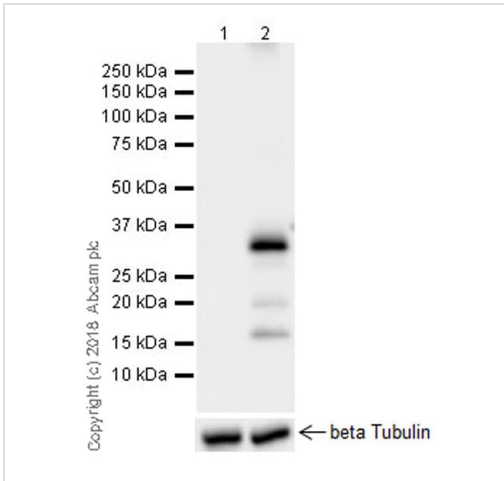
ターゲット情報

機能	Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.
配列類似性	Belongs to the IL-1 family.
ドメイン	The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.
細胞内局在	Secreted. The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.

画像



Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized THP-1 (human monocytic leukemia cell line) cell line treated with 50 nM phorbol-12-myristate-13-acetate (PMA, [ab120297](#)) and 5 µg/ml lipopolysaccharide (LPS) for 24 hours (red) or an untreated control (green) labeling IL-1 alpha with ab206410 at 1/60 dilution compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control ([ab172730](#)) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-IL-1 alpha antibody [EPR19904-247] (ab206410)

All lanes : Anti-IL-1 alpha antibody [EPR19904-247] (ab206410) at 1/1000 dilution

Lane 1 : Untreated THP-1 (human monocytic leukemia cell line) whole cell lysate

Lane 2 : THP-1, treated with 50 nM phorbol-12-myristate-13-acetate (PMA, [ab120297](#)) and 5 ug/ml lipopolysaccharide (LPS) for 24 hours, whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

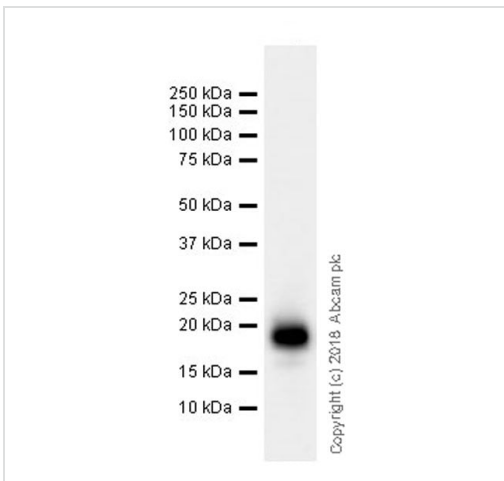
Predicted band size: 31 kDa

Observed band size: 15,20,34 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

Expression of IL-1 alpha can be induced by LPS in macrophages. The molecular masses observed are consistent with the literature (PMID: 9785472; PMID: 1868253; PMID:19104081).



Western blot - Anti-IL-1 alpha antibody [EPR19904-247] (ab206410)

Anti-IL-1 alpha antibody [EPR19904-247] (ab206410) at 1/1000 dilution + Human IL-1 alpha recombinant protein (aa113-271) at 0.01 µg

Secondary

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

Predicted band size: 31 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDm/TBST.

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-IL-1 alpha antibody [EPR19904-247] (ab206410)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors