abcam

Product datasheet

Anti-IL-6 antibody [EPR16610-69] ab179570

リコンビナント RabMAb

5 References 画像数 3

製品の概要

製品名	Anti-IL-6 antibody [EPR16610-69]
製品の詳細	Rabbit monoclonal [EPR16610-69] to IL-6
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IP **適用なし:** Flow Cyt or IHC-P
種交差性	**交差種:** 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	ICC/IF: RAW 264.7 cells. IP: RAW 264.7 whole cell lysate.
特記事項	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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	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	EPR16610-69
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ab179570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
ICC/IF		1/100.
IP		1/30.

追加情報 Is unsuitable for Flow Cyt or IHC-P.

ターゲット情報

機能 Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoeitic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

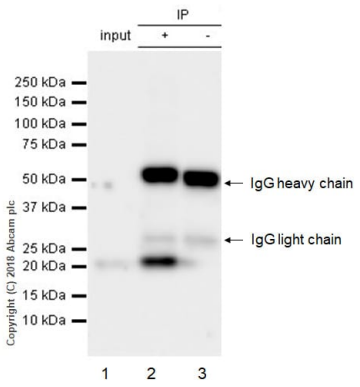
関連疾患 Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.
Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.

配列類似性 Belongs to the IL-6 superfamily.

翻訳後修飾 N- and O-glycosylated.

細胞内局在 Secreted.

画像

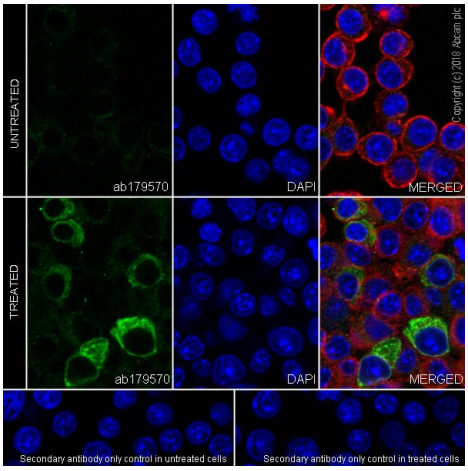


Immunoprecipitation - Anti-IL-6 antibody [EPR16610-69] (ab179570)

IL-6 was immunoprecipitated from 0.35 mg of RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate with ab179570 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab179570 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

Lane 1: RAW 264.7 treated with 100ng/ml lipopolysaccharides (LPS) for 3h, then together with 300ng/ml BFA for another 3h whole cell lysate, 10 µg (Input).
Lane 2: ab179570 IP in RAW 264.7 treated with 100ng/ml lipopolysaccharides (LPS) for 3h, then together with 300ng/ml BFA for another 3h whole cell lysate (+).
Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab179570 in RAW 264.7 treated with 100ng/ml lipopolysaccharides (LPS) for 3h, then together with 300ng/ml BFA for another 3h whole cell lysate.

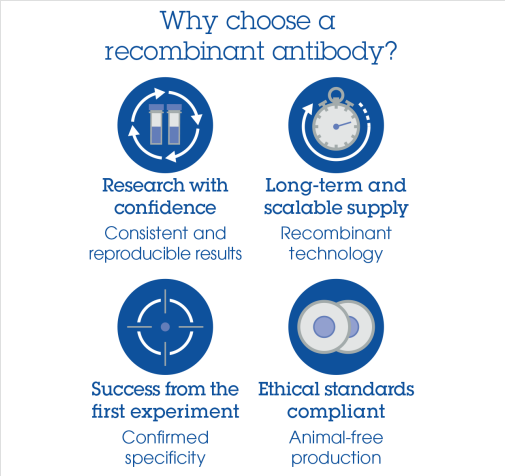
Blocking and dilution buffer and concentration: 5% NFDM/TBST.
Exposure time: 1 second.



Immunocytochemistry/ Immunofluorescence - Anti-IL-6 antibody [EPR16610-69] (ab179570)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) cells labeling IL-6 with ab179570 at 1/100 dilution, followed by a Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing an elevated cytoplasmic staining in RAW 264.7 cells treated with LPS (100 ng/ml, 6 h) then together with 300 ng/ml BFA for another 3h. The nuclear counter stain is DAPI (blue). Tubuin 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, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Anti-IL-6 antibody [EPR16610-69] (ab179570)

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