


Anti-M-CSF antibody [EP1179Y] ab52864

重组 RabMAb

23 References **8 图像**

概述

产品名称	Anti-M-CSF抗体[EP1179Y]
描述	兔单克隆抗体[EP1179Y] to M-CSF
宿主	Rabbit
特异性	This antibody fails to detect endogenous natural samples in WB.
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
种属反应性	与反应: Human, Recombinant fragment 预测可用于: Sheep, Cow, Chimpanzee 
免疫原	Synthetic peptide within Human M-CSF aa 50-150. The exact sequence is proprietary. Database link: <u>P09603</u>
阳性对照	WB: Recombinant MCSF IHC-P: Human tonsil tissue.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information <u>see here</u> . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents</u> .

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号EP1179Y

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab52864于以下的经测试应用

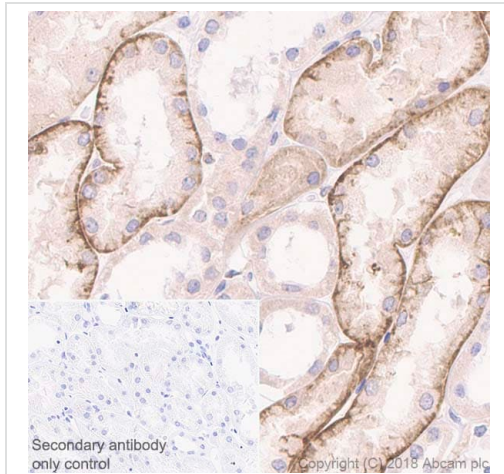
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/80.
WB		1/2000. Predicted molecular weight: 60 kDa. This antibody fails to detect endogenous natural samples in WB.
IP		1/40. For unpurified use at 1/50 dilution.
IHC-P		1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols.</u> For unpurified use at 1/50 - 1/100 dilution.
ICC/IF		1/100. For unpurified use at 1/250 - 1/500 dilution.

靶标

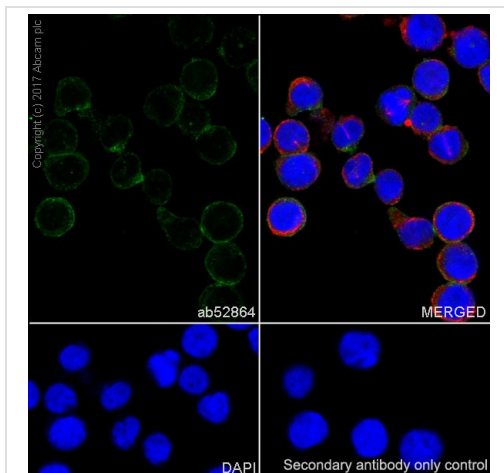
功能	Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.
翻译后修饰	Glycosylation and proteolytic cleavage yield different soluble forms. A high molecular weight soluble form is a proteoglycan containing chondroitin sulfate. Isoform 1 is N- and O-glycosylated. Isoform 3 is N-glycosylated.
细胞定位	Cell membrane and Secreted > extracellular space.

图片



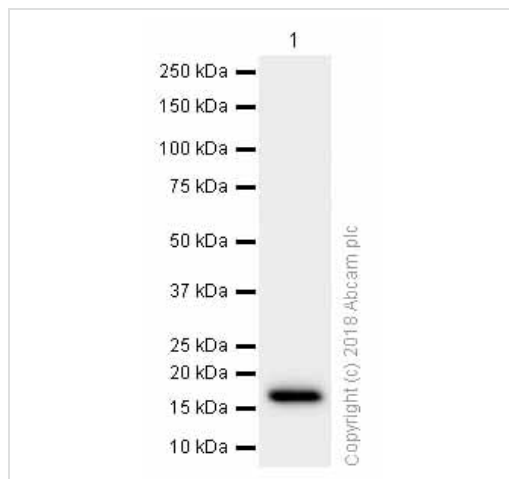
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-M-CSF antibody [EP1179Y] (ab52864)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human kidney tissue sections labeling M-CSF with Purified ab52864 at 1:500 dilution (1.52 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0)



Immunocytochemistry/ Immunofluorescence - Anti-M-CSF antibody [EP1179Y] (ab52864)

Immunocytochemistry/ Immunofluorescence analysis of THP-1 (Human monocytic leukemia monocyte) cells labeling M-CSF with Purified ab52864 at 1:100 (7.6 µg/ml). Cells were fixed in 100% Methanol and permeabilized with None. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-M-CSF antibody [EP1179Y]
(ab52864)

Anti-M-CSF antibody [EP1179Y] (ab52864) at 1/2000 dilution
(Purified) + Human M-CSF (aa 33-190) recombinant protein at
0.015 µg

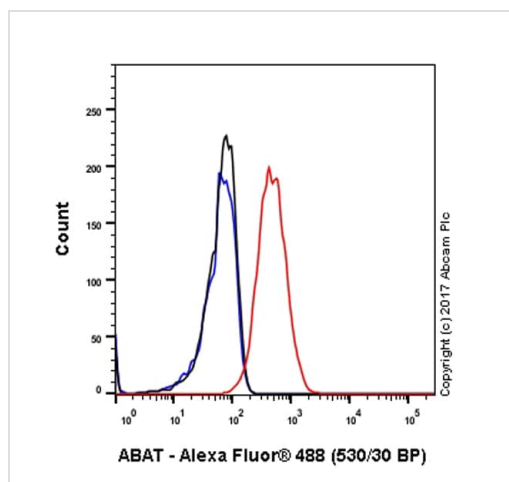
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution
(Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 60 kDa

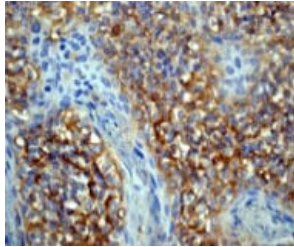
Observed band size: 19 kDa

Blocking buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-M-CSF antibody
[EP1179Y] (ab52864)

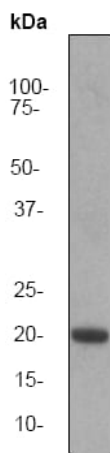
Intracellular Flow Cytometry analysis of THP-1 (Human monocytic leukemia monocyte) cells labeling M-CSF with purified ab52864 at 1/80 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor®488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-M-CSF antibody [EP1179Y] (ab52864)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for M-CSF with unpurified ab52864 (1/50 dilution) in immunohistochemical analysis.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-M-CSF antibody [EP1179Y] (ab52864)

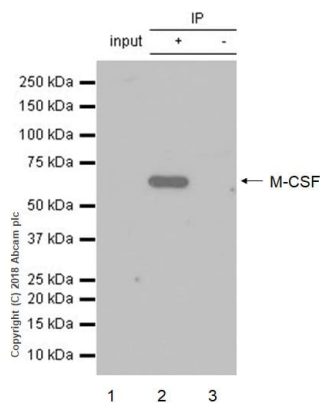
Anti-M-CSF antibody [EP1179Y] (ab52864) at 1/50000 dilution (unpurified) + recombinant MCSF at 0.005 µg

Secondary

Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 60 kDa

Observed band size: 20 kDa



Immunoprecipitation - Anti-M-CSF antibody [EP1179Y] (ab52864)

ab52864 (purified) at 1:40 dilution (2µg) immunoprecipitating M-CSF in THP-1 whole cell lysate.

Lane 1 (input): THP-1 (Human monocytic leukemia monocyte) whole cell lysate 10µg

Lane 2 (+): ab52864 & THP-1 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab52864 in THP-1 whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used for detection at 1:1000 dilution.

Blocking and diluting 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-M-CSF antibody [EP1179Y] (ab52864)

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