# abcam

### Product datasheet

## Anti-GCSF Receptor antibody [EPR8957] ab156878



重组 RabMAb

2 References 6 图像

概述

产品名称 Anti-GCSF Receptor抗体[EPR8957]

描述 兔单克隆抗体[EPR8957] to GCSF Receptor

宿主 Rabbit

经测试应用 适用于: Flow Cyt (Intra), WB, Indirect ELISA

不适用于: ICC/IF,IHC-P or IP

种属反应性 与反应: Human

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 Human placenta extract, NCCIT cell lysate, Caco-2 cell lysate Flow cyto(intra): Human PBMCs

常规说明 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**.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with

these species. Please contact us for more information.

性能

形式 Liquid

存放说明 Shipped at 4°C. Store at -20°C.

存储溶液

Preservative: 0.01% Sodium azide

Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

supernatant

纯度 Tissue culture supernatant

克隆 单克隆

**克隆编号** EPR8957

**同种型** IgG

#### 应用

#### The Abpromise guarantee Abpromise™承诺保证使用ab156878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)		1/500 - 1/1000. <b>ab172730</b> - Rabbit monoclonal lgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 92 kDa.
Indirect ELISA		Use at an assay dependent concentration.

应用说明 Is unsuitable for ICC/IF,IHC-P or IP.

功能

Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation.

Plays a crucial role in the proliferation, differientation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.

组织特异性 One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U-

937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-

2 is found only in leukemia U-937 cells. Isoform GCSFR-3 is highly expressed in placenta.

疾病相关 Hereditary neutrophilia

序列相似性 Belongs to the type I cytokine receptor family. Type 2 subfamily.

Contains 5 fibronectin type-III domains.

Contains 1 lg-like C2-type (immunoglobulin-like) domain.

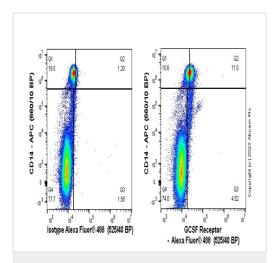
结**构域** The WSXWS motif appears to be necessary for proper protein folding and thereby efficient

intracellular transport and cell-surface receptor binding.

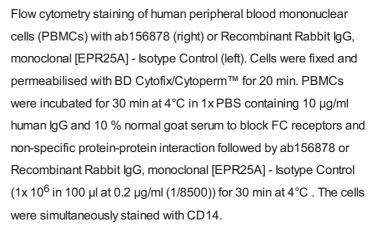
The box 1 motif is required for JAK interaction and/or activation.

细胞定位 Secreted and Cell membrane.

#### 图片

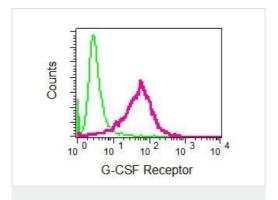


Flow Cytometry (Intracellular) - Anti-GCSF Receptor antibody [EPR8957] (ab156878)



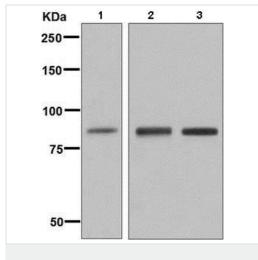
The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30min at 4°C

Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter. Events were gated on viable cells.



Flow Cytometry (Intracellular) - Anti-GCSF Receptor antibody [EPR8957] (ab156878)

Intracellular flow cytometric analysis of permeabilized NCCIT cells labeling GCSF Receptor using ab156878 antibody at a dilution of 1/500 (red) or a rabbit lgG (negative) (green).



Western blot - Anti-GCSF Receptor antibody [EPR8957] (ab156878)

**All lanes :** Anti-GCSF Receptor antibody [EPR8957] (ab156878) at 1/1000 dilution

Lane 1: Human placenta extract

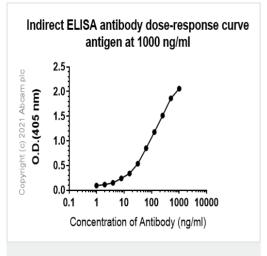
Lane 2 : NCCIT cell lysate

Lane 3 : Caco-2 cell lysate

Lysates/proteins at 10 µg per lane.

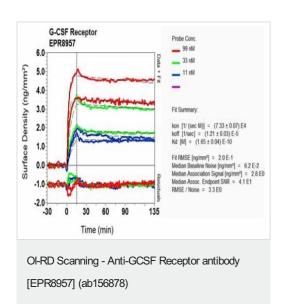
Developed using the ECL technique.

Predicted band size: 92 kDa



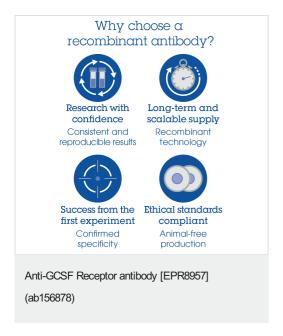
Indirect ELISA - Anti-GCSF Receptor antibody [EPR8957] (ab156878)

ELISA analysis of GCSF Receptor recombinant protein at 1000 ng/ml with ab156878. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit lgG (H+L) at 1/2500 was used as the secondary antibody



Equilibrium disassociation constant ( $K_D$ ) Learn more about  $K_D$ 

Click here to learn more about K<sub>D</sub>



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