abcam

ab236157

# Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free

Recombinant RabMAb

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **Storage buffer** | pH: 7.2 - 7.4 Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | The exact immunogen used to generate this antibody is proprietary information. |
| **Carrier free** | Yes |
| **Clone number** | EPR3203(N)(B) |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 0.99 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## IP

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## WB

### Tested

| | |
|---|---|
| **Species** | Human, Mouse, Rat |
| **Dilution info** | - |
| **Notes** | - |

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## Flow Cyt (Intra)

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

## Target data

See full target information CSF3

| | |
|---|---|
| **Function** | 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. This CSF induces granulocytes. |

## Storage

| | |
|---|---|
| **Shipped at conditions** | Blue Ice |
| **Appropriate short-term storage conditions** | +4°C |
| **Appropriate long-term storage conditions** | +4°C |
| **Storage information** | Do Not Freeze |

## Notes

ab236157 is the carrier-free version of ab181053.

**Patented technology**

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

**What are the advantages of a recombinant monoclonal antibody?**

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 batch production

For more information, read more on recombinant antibodies.

**Conjugation ready**
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

**Compatibility**
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

## Product promise

**Tested**

We have tested this species and application combination and it works. It is covered by our product promise.

**Expected**

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

**Predicted**

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

**Not recommended**

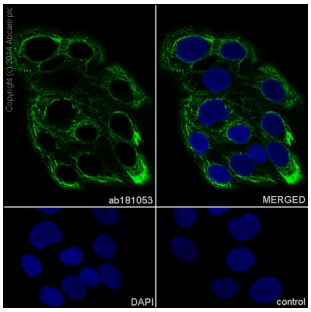
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

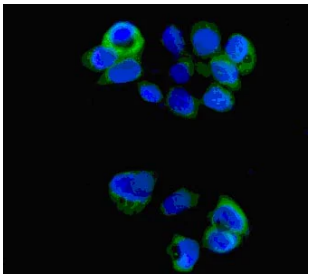
## 5 product images




## Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free (ab236157)

G-CSF Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-G-CSF antibody

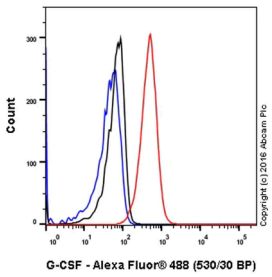
Immunocytochemistry/ Immunofluorescence analysis of BxPC-3 (Human pancreas adenocarcinoma epithelial cell) cells labeling G-CSF with purified ab181053 at 1:500 dilution (4.0µg/ml). Cells were fixed in 100% methanol. ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear was used as a counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181053).



## Immunocytochemistry/ Immunofluorescence - Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free (ab236157)

G-CSF Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-G-CSF antibody

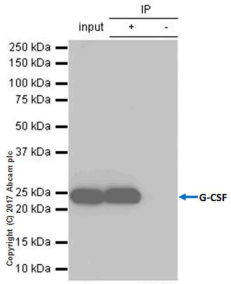
Immunofluorescent analysis of HT-1376 cells (paraformaldehyde-fixed, 4%) labeling G-CSF with unpurified ab181053 at 1/100 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181053).




## Flow Cytometry (Intracellular) - Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free (ab236157)

G-CSF Flow Cytometry (Intracellular) staining using rabbit Anti-G-CSF antibody

Intracellular Flow Cytometry analysis of K562 (human chronic myelogenous leukemia) cells labeling G-CSF with purified ab181053 at 1/200 dilution (10µg/mL) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181053).

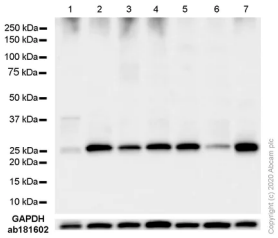



## Immunoprecipitation - Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free (ab236157)

ab181053 (purified) at 1:100 dilution (2µg) immunoprecipitating G-CSF in K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate.
**Lane 1 (input):** K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10µg
**Lane 2 (+):** ab181053 and K562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate
**Lane 3 (-):** Rabbit monoclonal IgG (ab172730) instead of ab181053 in K562 (Human chronic myelogenous leukemia lymphoblast) 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181053).
All lanes:
Immunoprecipitation - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053)

Predicted band size: 22 kDa




## Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] - BSA and Azide free (ab236157)

G-CSF Western blot staining using rabbit Anti-G-CSF antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 4 s

All lanes:
Western blot - Anti-G-CSF antibody [EPR3203(N)(B)] (ab181053) at 1/1000 dilution

Lane 1:
A549 (Human lung carcinoma epithelial cell) cell lysate at 10 µg

Lane 2:
K-562 (Human chronic myelogenous leukemia lymphoblast) cell lysate at 10 µg

Lane 3:
HepG2 (Human hepatocellular carcinoma epithelial cell) cell lysate at 10 µg

Lane 4:
HeLa (Human cervix adenocarcinoma epithelial cell) cell lysate at 10 µg

Lane 5:
MCF7 (Human breast adenocarcinoma epithelial cell) cell lysate at 10 µg

Lane 6:
MOLT-4 (Human lymphoblastic leukemia T lymphoblast) cell lysate at 10 µg

Lane 7:
PC-3 (Human prostate adenocarcinoma epithelial cell) cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 22 kDa

Observed band size: 25 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.