

# CD116/GM-CSFR $\alpha$ Rabbit mAb

Catalog No.: A25547 **Recombinant**

## Basic Information

### Observed MW

70-80kDa

### Calculated MW

27kDa/33kDa/38kDa/44kDa/46kDa/50kDa

### Category

Primary antibody

### Applications

WB,FC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC59275

## Background

The protein encoded by this gene is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble.

## Recommended Dilutions

**WB** 1:1000 - 1:2000**FC** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

1438

### Swiss Prot

P15509

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

GMR; CD116; CSF2R; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; alphaGMR; GMR-alpha; GMCSFR-alpha; GM-CSF-R-alpha; CD116/GM-CSFR $\alpha$

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

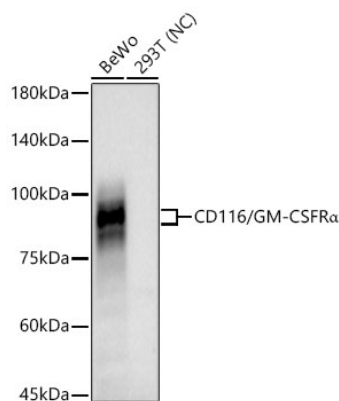
Affinity purification

### Storage

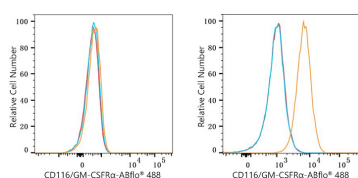
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

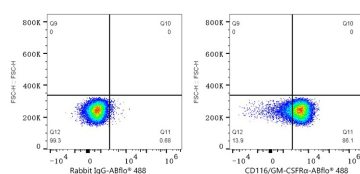
## Validation Data



Western blot analysis of various lysates using CD116/GM-CSFR $\alpha$  Rabbit mAb (A25547) at 1:1900 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25  $\mu$ g per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC): 293T.  
 Exposure time: 90s.



Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and BeWo cells (right) were surface-stained with CD116/GM-CSFR $\alpha$  Rabbit mAb (A25547, 2  $\mu$ g/mL, orange line) or Rabbit IgG isotype control (AC042, 2  $\mu$ g/mL, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  BeWo cells were surface-stained with Rabbit IgG isotype control (AC042, 2  $\mu$ g/mL, left) or CD116/GM-CSFR $\alpha$  Rabbit mAb (A25547, 2  $\mu$ g/mL, right), followed by FITC conjugated goat anti-Rabbit pAb staining.