

Anti-GRO gamma antibody [EPR21759-11] - BSA and Azide free ab236240

Recombinant RabMAb

4 Images

Overview

Product name	Anti-GRO gamma antibody [EPR21759-11] - BSA and Azide free
Description	Rabbit monoclonal [EPR21759-11] to GRO gamma - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF, IP
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: RAW 264.7 cells treated with LPS for 6 hours, with BFA added after 3 hours.
General notes	<p>ab236240 is the carrier-free version of ab220431.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR21759-11
Isotype	IgG

Applications

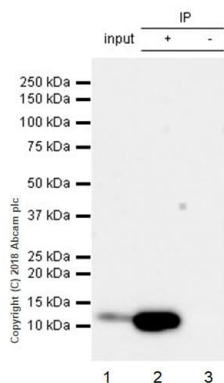
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab236240 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 11 kDa (predicted molecular weight: 11 kDa).
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Target

Function	Ligand for CXCR2 (By similarity). Has chemotactic activity for neutrophils. May play a role in inflammation and exert its effects on endothelial cells in an autocrine fashion. In vitro, the processed form GRO-gamma(5-73) shows a fivefold higher chemotactic activity for neutrophilic granulocytes.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	N-terminal processed form GRO-gamma(5-73) is produced by proteolytic cleavage after secretion from peripheral blood monocytes.
Cellular localization	Secreted.

Images



Immunoprecipitation - Anti-GRO gamma antibody
[EPR21759-11] - BSA and Azide free (ab236240)

GRO gamma was immunoprecipitated from 0.35 mg of RAW264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours, whole cell lysate with **ab220431** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab220431** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

Lane 1: RAW264.7 treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours, whole cell lysate 10 µg (Input).

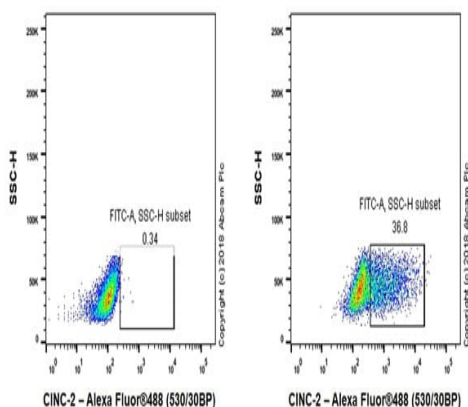
Lane 2: **ab220431** IP in RAW264.7 treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours, whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab220431** in RAW264.7 treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours, whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220431**).

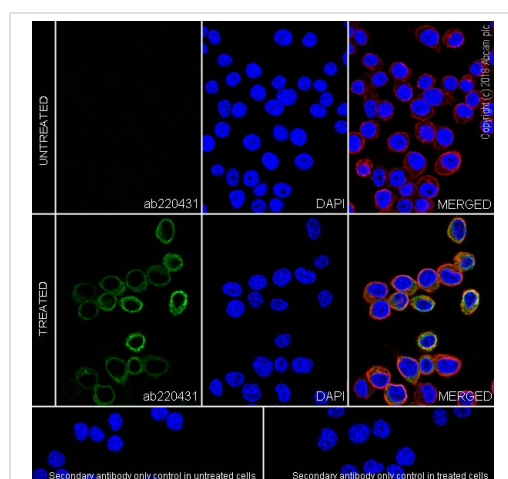


Flow Cytometry (Intracellular) - Anti-GRO gamma antibody [EPR21759-11] - BSA and Azide free (ab236240)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized RAW264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) cell line treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours (Right panel) or untreated (Left panel) labeling GRO gamma with **ab220431** at 1/500 dilution. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/2000 dilution was used as the secondary antibody.

Note: CINC-2 and GRO gamma are alternative names for the same target.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220431**).



Immunocytochemistry/ Immunofluorescence - Anti-GRO gamma antibody [EPR21759-11] - BSA and Azide free (ab236240)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized RAW264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) cells treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours or untreated labeling GRO gamma with **ab220431** at 1/1000 dilution followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining in RAW 264.7 cells treated with 100 ng/ml lipopolysaccharide (LPS) for 6 hours, with 300 ng/ml Brefeldin A (BFA) added after 3 hours.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab220431**).

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-GRO gamma antibody [EPR21759-11] - BSA and Azide free (ab236240)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors