

Product datasheet

Biotin Anti-CXCL1/GRO alpha antibody ab271282

[2 Images](#)

Overview

Product name	Biotin Anti-CXCL1/GRO alpha antibody
Description	Biotin Rabbit polyclonal to CXCL1/GRO alpha
Host species	Rabbit
Conjugation	Biotin
Tested applications	Suitable for: WB, Sandwich ELISA
Species reactivity	Reacts with: Recombinant fragment
Immunogen	Recombinant full length protein corresponding to Human CXCL1/GRO alpha aa 1 to the C-terminus. E. coli derived. Mature chain. Database link: P09341

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Recombinant human CXCL1/GRO alpha.

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Lyophilized:Reconstitute in sterile PBS with 0.1% BSA to 0.1 - 1.0 mg/ml.
Storage instructions	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. Store In the Dark.
Storage buffer	Constituents: PBS, 0.1% BSA
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab271282 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
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 11 kDa. Used in conjunction with compatible secondary reagents the detection limit for recombinant human CXCL1/GRO alpha is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Sandwich ELISA		Use at an assay dependent concentration.

Target

Function

Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

Post-translational modifications

N-terminal processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) are produced by proteolytic cleavage after secretion from peripheral blood monocytes.

Cellular localization

Secreted.

Images



Western blot - Biotin Anti-CXCL1/GRO alpha antibody (ab271282)

Lane 1: Marker.

Lane 2: Recombinant human CXCL1/GRO alpha at 250ng/lane.

Lane 3: Recombinant human CXCL1/GRO alpha at 125ng/lane.

Lane 4: Recombinant human CXCL1/GRO alpha at 62.5ng/lane.

Lane 5: Recombinant human CXCL1/GRO alpha at 31.25ng/lane.

Lane 6: Recombinant human CXCL1/GRO alpha at 15.625ng/lane.

Lane 7: Recombinant human CXCL1/GRO alpha at 7.8ng/lane.

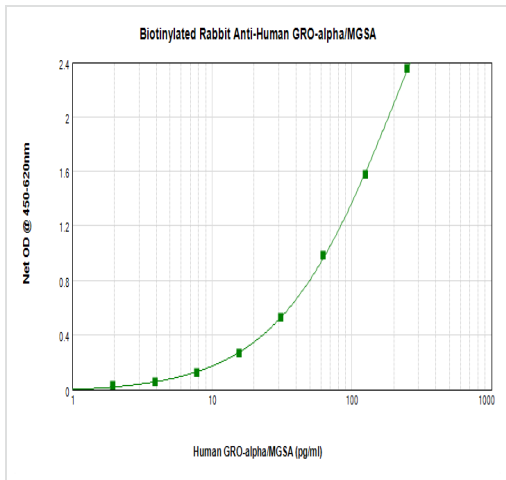
Lane 8: Recombinant human CXCL1/GRO alpha at 3.9ng/lane.

Lane 9: Recombinant human CXCL1/GRO alpha at 1.95ng/lane.

Lane 10: Recombinant human CXCL1/GRO alpha at 0.975ng/lane.

Lane 11: Recombinant human CXCL1/GRO alpha at 0.4875ng/lane.

Lane 12: Recombinant human CXCL1/GRO alpha at 0.24ng/lane.



Sandwich ELISA - Biotin Anti-CXCL1/GRO alpha antibody (ab271282)

Human CXCL1/GRO alpha was detected by sandwich ELISA (using 100µl/well) using a concentration of 0.25-1.0 µg/ml of ab271282. This antibody in conjunction with an appropriate capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant CXCL1/GRO alpha protein.

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

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