

Anti-GRO alpha/Cxcl1 Antibody Picoband™

Catalog Number: A00533

About Cxcl1

This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets.

Overview

Product Name	Anti-GRO alpha/Cxcl1 Antibody Picoband™
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-GRO alpha/Cxcl1 Antibody Picoband™ catalog # A00533. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P14095

Technical Details

Immunogen	E. coli-derived rat GRO alpha recombinant protein (Position: A25-K96).
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml

ELISA (Cap), 1-5ug/ml

Anti-GRO alpha/Cxcl1 Antibody Picoband™ (A00533) Images

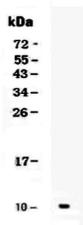


Figure 1. Western blot analysis of GRO alpha using anti-GRO alpha antibody (A00533). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant rat CXCL1 protein 1ng. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GRO alpha antigen affinity purified polyclonal antibody (Catalog # A00533) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GRO alpha at approximately 11KD. The expected band size for GRO alpha is at 11KD.

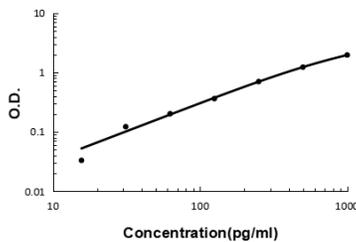


Figure 2. Sandwich ELISA - Recombinant rat GRO alpha/Cxcl1 protein standard curve. Use in combination with reagents from Rat GRO alpha/Cxcl1 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0724).

14 Publications Citing This Product

1. PubMed ID: 10.3390/ijms20184389, Effect of Tff3 Deficiency and ER Stress in the Liver
2. PubMed ID: 10.1186/s12974-019-1584-3, Activated spinal astrocytes contribute to the later phase of carrageenan-induced prostatitis pain
3. PubMed ID: 10.3389/fcimb.2019.00322, Activation of Mast Cells Promote Plasmodium berghei ANKA Infection in Murine Model

Visit bosterbio.com/anti-gro-alpha-picoband-trade-antibody-a00533-boster.html to see all 14 publications.

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