

Anti-GRO gamma/CXCL3 Antibody Picoband®

Catalog Number: PB9941

About CXCL3

Chemokine (C-X-C motif) ligand 3 (CXCL3), also known as GRO protein gamma (GROγ) and macrophage inflammatory protein-2-beta (MIP2b), is a small cytokine belonging to the CXC chemokine family. It is mapped to 14p2. CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor. It has been shown that CXCL3 regulates cell autonomously the migration of the precursors of cerebellar granule neurons toward the internal layers of cerebellum, during the morphogenesis of cerebellum. CXCL3 also play fundamental roles in the development, homeostasis and it has effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.

Overview

Product Name	Anti-GRO gamma/CXCL3 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-GRO gamma/CXCL3 Antibody Picoband® catalog # PB9941. Tested in ELISA, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
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	Q6W5C0

Technical Details

Immunogen	E. coli-derived mouse GRO gamma recombinant protein (Position: S32-S100). Mouse GRO gamma shares 60.6% and 90.6% amino acid (aa) sequence identity with human and rat GRO gamma, respectively.
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	ELISA, 0.1-0.5ug/ml, - Western blot, 0.1-0.5ug/ml, Mouse

Anti-GRO gamma/CXCL3 Antibody Picoband® (PB9941) Images



Western blot analysis of GRO gamma using anti-GRO gamma antibody (PB9941). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse lung tissue lysates, Lane 2: mouse spleen tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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 gamma antigen affinity purified polyclonal antibody (Catalog # PB9941) 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 1:5000 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 gamma at approximately 25 kDa. The expected band size for GRO gamma is at 11 kDa.

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