

Datasheet for ABIN5518899
anti-CCL19 antibody (AA 26-108)



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1 Image

Overview

Quantity:	100 µg
Target:	CCL19
Binding Specificity:	AA 26-108
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL19 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for C-C motif chemokine(Ccl19) detection. Tested with WB in Mouse,Rat.
Immunogen:	E. coli-derived rat Ccl19/MIP-3 beta recombinant protein (Position: G26-S108). Rat Ccl19/MIP-3 beta shares 79.5% and 89.2% amino acid (aa) sequence identity with human and mouse Ccl19/MIP-3 beta, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for C-C motif chemokine(Ccl19) detection. Tested with WB in Mouse,Rat.</p> <p>Gene Name: C-C motif chemokine ligand 19</p> <p>Protein Name: C-C motif chemokine</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: CCL19

Alternative Name: Ccl19 ([CCL19 Products](#))

Background: Chemokine (C-C motif) ligand 19 (CCL19) is a protein that in humans is encoded by the CCL19 gene. This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7.

Synonyms: C-C motif chemokine, Ccl19

Gene ID: 362506

Pathways: [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

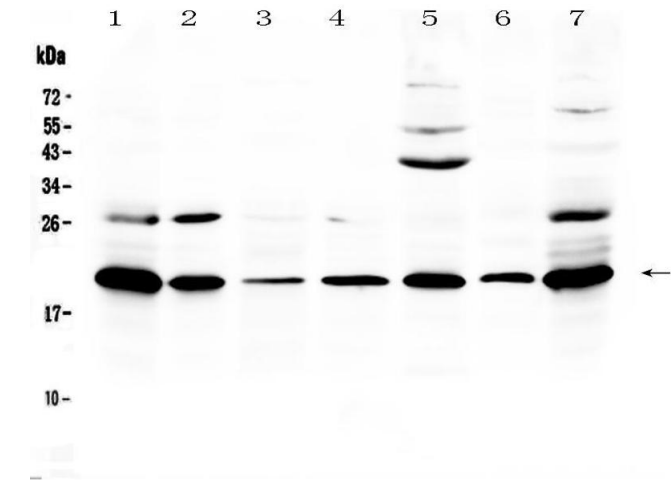
Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of Ccl19/MIP-3 beta using anti-Ccl19/MIP-3 beta antibody . 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 50ug of sample under reducing conditions. Lane 1: rat thymus tissue lysate, Lane 2: rat lung tissue lysate, Lane 3: rat spleen tissue lysate, Lane 4: rat stomach tissue lysate, Lane 5: rat PC-12 whole Cell lysate, Lane 6: mouse thymus tissue lysate, Lane 7: mouse NIH3T3 whole Cell lysate. 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-Ccl19/MIP-3 beta antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/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 Ccl19/MIP-3 beta at approximately 20KD. The expected band size for Ccl19/MIP-3 beta is at 11KD.