BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CXCR3 Antibody (Monoclonal, 35C21)

Catalog Number: M00295-2

About CXCR3

Chemokine receptor CXCR3 is a Galphai protein-coupled receptor in the CXC chemokine receptor family. Other names for CXCR3 are G protein-coupled receptor 9 (GPR9) and CD183. It is mapped to Xq13.1. CXCR3 is expressed on malignant B cells from chronic lymphoproliferative disorders, particularly in patients with CLL, and represents a fully functional receptor involved in chemotaxis of malignant B lymphocytes. It is found that in the absence of known etiologic agents, CXCR3 represents a novel target for therapeutic interference early in type 1 diabetes. CXCR3 signaling is associated with MG pathogenesis and proposed that and CXCR3 may serve as novel drug targets to treat MG. CXCR3A and CXCR3B are involved in the chemotactic and vascular effects of CXCL4L1.

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Overview

Product Name	Anti-CXCR3 Antibody (Monoclonal, 35C21)
Reactive Species	Human
Description	Boster Bio Anti-CXCR3 Antibody (Monoclonal, 35C21) catalog # M00295-2. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 35C21
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49682

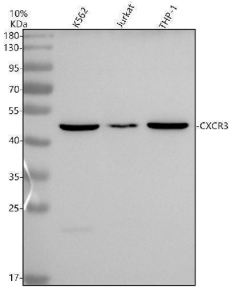
Technical Details

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Immunogen	Recombinant protein within human CXCR3 aa 280-296 (Extracellular)/368.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

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Anti-CXCR3 Antibody (Monoclonal, 35C21) (M00295-2) Images



Western blot analysis of CXCR3 using anti-CXCR3 antibody (M00295-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human THP-1 whole cell 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-CXCR3 antigen affinity purified monoclonal antibody (M00295-2) at 1:500 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CXCR3 at approximately 46 kDa. The expected band size for CXCR3 is at 41 kDa.

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For Research Use Only. Not for use in diagnostic procedures.