

Anti- IL-9 Monoclonal Antibody

Catalog Number: M02925

About IL9

The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq, Jul 2008]

Overview

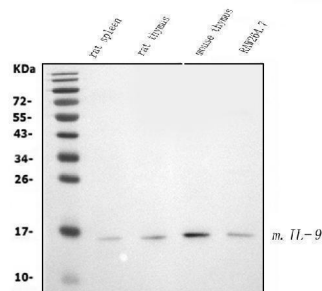
Product Name	Anti- IL-9 Monoclonal Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti- IL-9 Monoclonal Antibody catalog # M02925. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Monoclonal AFID-9
Formulation	PBS, pH 7.0. Contains no stabilizers or preservatives
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	Mouse
Uniprot ID	P15248

Technical Details

Immunogen	Human IL-9 coupled to ovalbumin
Predicted Reactive Species	Primate
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1001) for Western blot.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Mouse IgG2b, kappa
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 μ g/ml, Mouse, Rat

Anti- IL-9 Monoclonal Antibody (M02925) Images



Western blot analysis of IL-9 using anti-IL-9 antibody (M02925). 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 spleen tissue lysates, Lane 2: rat thymus tissue lysates, Lane 3: mouse thymus tissue lysates, Lane 4: mouse RAW264.7 whole cell lysates. 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 mouse anti-IL-9 antigen affinity purified monoclonal antibody (Catalog # M02925) 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-mouse 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 # EK1001) with Tanon 5200 system. A specific band was detected for IL-9 at approximately 16KD. The expected band size for IL-9 is at 16KD.

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