

## Anti-IL-9 Antibody

Catalog Number: A02925

### About IL9

IL-9 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. Anti-IL-9 antibody is ideal for investigators involved in Cancer and Immunology research.

### Overview

Product Name	Anti-IL-9 Antibody
Reactive Species	Human
Description	Boster Bio Anti-IL-9 Antibody (Catalog # A02925). Tested in WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Storage Instructions	Store Anti-IL-9 antibody at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship at ambient temperature.)
Host	Rabbit
Uniprot ID	P15248

### Technical Details

Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-9 protein.
Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG
Form	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step

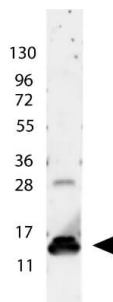
process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-9 in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.

**Suggested Dilutions**

ELISA: 1:10,000  
IHC: User optimized  
WB: 1:1,000

This purified antibody has been tested in western blotting. Reactivity is also expected in ELISA, neutralizations, radioimmunoassay and immunohistochemistry. The endotoxin content is estimated to be < 10 pg/μl by the LAL method. By western blot a band approximately 15 kDa in size corresponding to native human IL-9 protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

## Anti-IL-9 Antibody (A02925) Images



Boster's anti-Human IL-9 antibody shows detection of a band ~15 kDa in size corresponding to recombinant human IL-9. The identity of the faint higher molecular weight band may represent a homodimer. Molecular weight markers are also shown (left). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using peroxidase conjugated anti-Rabbit IgG secondary antibody diluted 1:40,000 in blocking buffer for 30 min at RT followed by reaction with FemtoMax™ chemiluminescent substrate. Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).

## 1 Publications Citing This Product

1. PubMed ID: 24966942, Overexpression of IL-9 induced by STAT6 activation promotes the pathogenesis of chronic lymphocytic leukemia

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Anti-IL-9 Antibody

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