

IL-9 Recombinant Rabbit Monoclonal Antibody

(2H14L3)

Catalog Number701229

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Recombinant Monoclonal		
Type	Antibody	Western Blot (WB)	1-2 µg/mL
Clone	2H14L3	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	proprietary		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain. Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Background/Target Information

Interleukin 9 (IL-9) is produced by activated T helper 2 (Th2) lymphocytes. IL-9 regulates many cell types involved in classical Th2-associated asthma responses, including B and T lymphocytes, mast cells, eosinophils, and epithelial cells. The mouse IL-9 cDNA encodes a 144 amino acid precursor protein with an 18 amino acid signal peptide that is cleaved to form the mature cysteine-rich protein with a molecular mass of 14 kDa. Native mouse IL-9 is heavily glycosylated. Recently, TGF beta has been reported to play an important role in the differentiation of IL-17-producing T helper cells and inducible regulatory T cells by reprogramming Th2 cells to secrete IL-9, thereby driving the differentiation of Th9 cells directly.

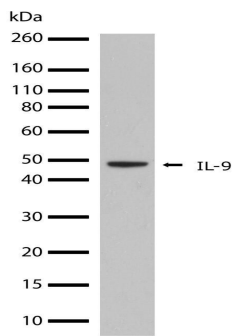
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Product Images For IL-9 Recombinant Rabbit Monoclonal Antibody (2H14L3)



**IL-9 Antibody (701229) in WB**  
Western blot analysis of IL-9 recombinant protein using an IL-9 recombinant rabbit monoclonal antibody (Product # 701229) at a dilution of 1 µg/mL. Samples were detected using chemiluminescence (ECL). Results show a band at ~48kDa.

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