BioLegend
The path to legendary discovery™

Product Data Sheet

Biotin anti-mouse IL-9

Catalog # / Size: 504803 / 50 µg
504804 / 500 µg

Clone: D9302C12

Isotype: Armenian Hamster IgG

Immunogen: Baculovirus-expressed, recombinant mouse IL-9

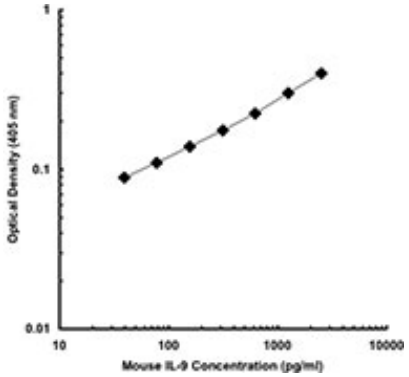
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The IL-9 antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Applications:

Applications: ELISA Detection

Recommended Usage: Each lot of this IL-9 antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.25-1.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-9 recombinant protein ranging from 4000 to 30 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA Detection[1,2]:** The biotinylated D9302C12 antibody is useful as a detection antibody for a sandwich ELISA assay, when used in conjunction with purified D8402E8 antibody (Cat. No. 504702) as the capture antibody.
Neutralization[2,3]: The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for neutralization of mouse IL-9 bioactivity (Cat. No. 504802).
Additional reported applications (for the relevant formats) include: Western blotting.

Application References:
1. Abrams, J. 1995. *Curr. Prot. Immunol.* John Wiley and Sons, New York. Unit 6.20.
2. Renauld, J., *et al.* 1995. *J. Leuk. Biol.* 57:353.
3. Sitkauskiene, B., *et al.* 2005. *Respir Res.* 6:33.
4. Goswami R., *et al.* 2012. *J. Immunol.* 188:968. PubMed.

Description: IL-9 is a potent, T cell-derived, T cell growth factor which can also enhance mast cell activity and IL-3- or IL-4-dependent proliferation of bone marrow-derived mast cells. IL-9 synergizes with erythropoietin to promote erythroid colony formation. IL-9 induces high affinity IgE receptor expression and granzyme A and B in murine T helper clones. The D9302C12 antibody reacts with mouse IL-9. The D9302C12 antibody can neutralize the bioactivity of natural or recombinant mouse IL-9.

Antigen References:
1. Fitzgerald, K., *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San Diego.
2. Quesniaux, V. 1992. *Research Immunology* 143:385.
3. Renauld, J., *et al.* 1993. *Adv. Immunol.* 54:79.
4. Yang, Y. 1992. *Leuk. Lymphoma* 8:441.

Related Products:

Product	Clone	Application
Purified anti-mouse IL-9	D8402E8	ELISA Capture
Recombinant Mouse IL-9	rm IL-9	BA, ELISA
HRP Avidin	Avidin	ELISA, ELISPOT, IHC, WB
TMB Substrate Reagent Set		ELISA
ELISA Assay Diluent (5X)		ELISA

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587