

# Product Data Sheet

## LEAF™ Purified anti-mouse IL-9

**Catalog # / Size:** 504704 / 500 µg

**Clone:** D8402E8

**Isotype:** Rat IgG2a, κ

**Immunogen:** Baculovirus-expressed, recombinant mouse IL-9

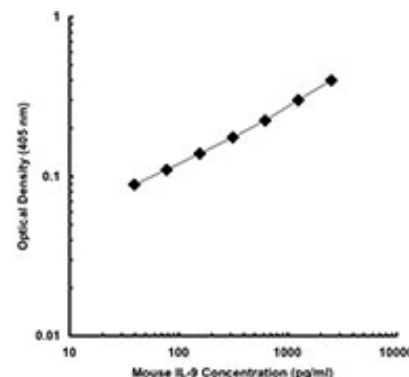
**Reactivity:** Mouse

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



## Applications:

**Applications:** ELISA Capture

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 1-4 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 Capture<sup>1,2</sup>:** The Purified D8402E8 antibody is useful as the capture antibody in a sandwich ELISA assay, when used in conjunction with the biotinylated D9302C12 antibody (Cat. No. 504804) as the detecting antibody.

**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.

**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 D8402E8 antibody reacts with 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**  
 Biotin anti-mouse IL-9  
 HRP Avidin  
 TMB Substrate Reagent Set  
 ELISA Assay Diluent (5X)

**Clone**  
 D9302C12  
 Avidin

**Application**  
 ELISA Detection  
 ELISA, ELISPOT, IHC, WB  
 ELISA  
 ELISA



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