

## Rabbit Anti-IL-9/AF350 Conjugated antibody

SL10435R-AF350

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|--------------------------|---|
| <b>Product Name</b>      | Anti-IL-9/AF350   |
| <b>Chinese Name</b>      | AF350 标记的白介素 9 抗体   |
| <b>Alias</b>             | Interleukin-9; IL9; Homolog of mouse T cell and mast cell growth factor 40; HP40; IL 9; Mast cell growth factor; MCGF; Megakaryoblast growth factor; p40 cytokine; p40 T cell and mast cell growth factor; p40 T-cell and mast cell growth factor; T cell growth factor 3; T cell growth factor p40; T-cell growth factor p40; Interleukin 9; TCGF 3. |
| <b>Research Area</b>     | Tumour Cell biology Neurobiology Signal transduction Apoptosis Cyclin   |
| <b>Immunogen Species</b> | Rabbit  |
| <b>Clonality</b>         | Polyclonal  |
| <b>React Species</b>     | Human(predicted:Mouse)<br>IF=1:100-500  |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight</b>  | 16kDa   |
| <b>Form</b>              | Lyophilized or Liquid   |
| <b>Concentration</b>     | 1mg/ml  |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human IL-9  |
| <b>Lsotype</b>           | IgG   |
| <b>Purification</b>      | affinity purified by Protein A  |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol   |
| <b>Storage</b>           | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                            |
| <b>Product Detail</b>    | <b>background:</b><br>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].

**Function:**

Supports IL-2 independent and IL-4 independent growth of helper T-cells.

**Subcellular Location:**

Secreted.

**Similarity:**

Belongs to the IL-7/IL-9 family

**Database links:**

[Entrez Gene: 3578](#) Human

[Entrez Gene: 16198](#) Mouse

[Entrez Gene: 116558](#) Rat

[Omim: 146931](#) Human

[SwissProt: P15248](#) Human

[SwissProt: P15247](#) Mouse

[Unigene: 960](#) Human

[Unigene: 3006](#) Mouse

[Unigene: 92374](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.