antibodies

Datasheet for ABIN964759 anti-IL-9 antibody

Image



Overview

| Quantity: | 100 µg |
|------------------|---|
| Target: | IL-9 (IL9) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IL-9 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Neutralization (Neut), Radioimmunoassay (RIA) |
| Product Details | |
| Immunogen: | This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-9 protein. Immunogen Type: RecombinantProtein |
| Isotype: | lgG |
| Specificity: | 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. |
| Characteristics: | 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 |

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| bronchial hyperresponsiveness. Anti-IL-9 antibody is ideal for investigators involved in Cancer |
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| astrina demonstrated that this cytokine is a determining factor in the pathogenesis of |
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| has been identified as a candidate gene for asthma. Genetic studies on a mouse model of |
| thus connects this cytokine to various biological processes. The gene encoding this cytokine |
| receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and |

Purification:

Target Details

purified

| Target: | IL-9 (IL9) |
|-------------------|--|
| Alternative Name: | IL-9 (IL9 Products) |
| Background: | 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. |
| | Synonyms: Interleukin-9, IL-9, IL9, T cell growth factor 3, T cell growth factor p40, TCGF 3, Mast |
| | cell growth factor, MCGF, Megakaryoblast growth factor, p40 cytokine |
| Gene ID: | 3578 |
| NCBI Accession: | NP_000581 |
| UniProt: | P15248 |
| Pathways: | JAK-STAT Signaling |

Application Details

| Application Notes: | This purified antibody has been tested for use in ELISA and western blotting. Reactivity is also |
|--------------------|--|
| | expected in 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. |

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| Application Details | |
|---------------------|-----------------------|
| Comment: | Gene Name: IL9 |
| Restrictions: | For Research Use only |

Handling

| Format: | Lyophilized |
|------------------|---|
| Reconstitution: | Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 μL |
| Concentration: | 1.0 mg/mL |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Preservative: | Without preservative |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store vial 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. |
| Expiry Date: | 12 months |

Images



Western Blotting

Image 1. 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 chemiluminescent substrate. Image was captured using MP 4000 imaging system (Bio-Rad).

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