

Mouse Resistin Like gamma - Purified

Catalog No.: AR10430PU-N

Quantity: 25 µg

Concentration: 0.5 mg/ml (prior to lyophil.)

Background: RELM-gamma is a novel member of the resistin-like molecule/found in inflammatory zone (RELM/FIZZ) family in mice and rats. Microarray and real-time RT-PCR experiments revealed a repression of RELMgamma mRNA in nasal respiratory epithelium of cigarette smoke-exposed versus untreated rats. The analysis of the physiological tissue-specific expression revealed highest expression in hematopoietic tissues, suggesting a cytokine-like role for RELM-gamma. RELM-gamma-mRNA is detectable in bone marrow, spleen, and lung as well as in peripheral blood granulocytes. Promyelocytic HL60 cells transfected with a RELM-gamma expression plasmid have an increased proliferation rate compared to mock-transfected cells and display an altered response to retinoic acid-induced granulocytic differentiation. Taken together, these data provide the first experimental evidence that RELM-gamma is a secreted molecule with a restricted expression pattern that may play a role in promyelocytic differentiation.

Uniprot ID: [Q7TM98](#)

NCBI: [NP_853627.1](#)

GeneID: [245195](#)

Species: Mouse

Source: E. coli

Format: **State:** Sterile filtered lyophilized protein
Purity: > 95.0% as determined by SDS-PAGE.

Purification Method: Two-step procedure using size exclusion chromatography before and after refolding.

Buffer System: 0.05M Acetate buffer pH 4

Reconstitution: Add 0.2 ml of 0.1M Acetate buffer pH-4 and let the lyophilized pellet dissolve completely.

For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher Concentrations the reconstitution of this antigen is limited.

Applications: **ELISA.**

Western blotting.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Recombinant Mouse RELM-gamma is a *His-Tagged* Fusion Protein having a molecular weight of 11 kDa containing 86 amino acid residues of the RELM-gamma Mouse and 16

additional amino acid residues HisTag (underlined).

Specificity: The amino acid sequence of the RELM-g Mouse recombinant is 100% homologous to the amino acid sequence of the RELM-g Mouse.

AA Sequence:

MRGSHHHHHH GMASHM TLES IVEKKVKELL ANRDDCPSTV TKTFSCTSIT ASGRLASCPS GMTVTGCACG
YGCGSWDIRD GNTCHCQCST MDWATARCCQ LA

Molecular weight: 11 kDa

Storage:

Prior to reconstitution store at -20°C.

Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.