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32-6543: RELM g Mouse

Alternative Name : Resistin-like gamma, RELMgamma,RELM-gamma, RELM-g.Â

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
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.
RELM g Mouse Recombinant produced in E.Coli is a non glycosylated, homodimeric polypeptide chain containing 2 x 89 amino acids and having a total molecular mass of 18.9kDa. The RELM is purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA). It is recommended to reconstitute the lyophilized RELM g in sterile 18M Omega -cm H2O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized RELM g although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution RELM g Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MEGTLESIVE KKVKELLANR DDCPSTVTKT FSCTSITASG RLASCPSGMT VTGCACGYGC GSWDIRDGNT CHCQCSTMDW ATARCCQLA.

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