Recombinant Mouse IL25

Cat No:HR2R2165

For research use only

Overview

Quantity	100 ?g
Gene Symbol	IL25
Gene ID	140806
Accession	Q9CPT4
Alternative Name	UPF0556 protein, IL-25, Stromal cell-derived growth factor SF20, D17Wsu104e, Il25 Recombinant Mouse Interleukin-25 (IL25)
Species	Mouse
Source	E. coli
Description	IL-25 (also known as IL- 17E), a member of the IL-17 family, has been implicated in Th2 cell-mediated immunity. Recently, IL-25 has been identified as one of the initiators of the Th2 response (10, 11) and has also been shown to be expressed by mast cells. The transgenic overexpression of IL-25 by lung epithelial cells results in mucus hyperproduction and airway infiltration of macrophages and eosinophils; conversely, IL-25 blockade reduced airway inflammation and Th2 cytokine production in an allergen-induced asthma model.
Functions	The ED(50) was determined by the dose-dependent proliferation of human umbilical vein endothelial cells and was found to be <0.5ng/mL.
Formulation	Lyophilized from 0.2?m filtered solution in Tris and NaCl
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	16
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.