Recombinant Mouse IL-17 RA/IL-17 R Protein(Fc Tag)

Catalog Number: PDMM100153

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

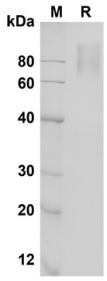
Description

Species	Mouse
Source	Mammalian-derived Mouse IL-17 RA/IL-17 R proteins Ser32-Trp322,with an C-terminal Fc
Calculated MW	56.9 kDa
Observed MW	80 kDa
Accession	Q60943
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Mouse IL-17 RA/IL-17 R proteins , 2μg/lane of Recombinant Mouse IL-17 RA/IL-17 R proteins was resolved with SDS-PAGE under reducing conditions , showing bands at 80 KD

Background

Interleukin-17 receptor (IL-17R) , also known as Interleukin-17 receptor A (IL-17RA) and CD217 antigen (CD217) , is a cytokine receptor that binds interleukin 17. IL-17R/IL-17RA (CD217) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL-17R/IL-17RA (CD217) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor IL-17RA play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors , this receptor likely has a multimeric structure. Defects in IL-17R/IL-17RA (CD217) are the cause of familial candidiasis type 5 (CANDF5). CANDF5 is a rare disorder with altered immune responses and impaired clearance of fungal infections , selective against Candida. It is characterized by persistent and/or recurrent infections of the skin , nails , and mucous membranes caused by organisms of the genus Candida , mainly Candida albicans.