Recombinant Mouse IL-5 Protein

RPCB1699

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	**Tag:**	C-6His
Reactivity:	Mouse	**Expressed Host:**	HEK293 cells
Calculated MW:	13.97 kDa	**Observerd MW:**	18-25 kDa

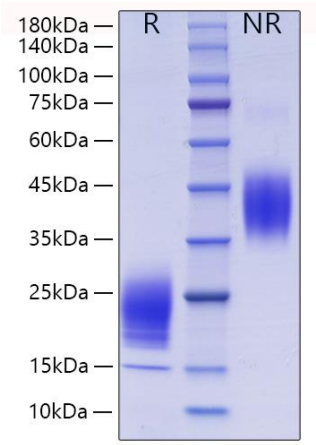
Background

Interleukin 5 (IL-5) is a member of the interleukin family with a length of 115 amino acids. Interleukins are a group of cytokines (secreted proteins/signaling molecules) that were first seen to be expressed by white blood cells (leukocytes) and has been found in a wide variety of body cells. Interleukin 5 or IL-5 is produced by T helper-2 cells and mast cells. It helps to stimulate B cell growth and increase immunoglobulin secretion and is considered a key mediator in eosinophil activation. Interleukin 5 (IL-5) has long been associated with several allergic diseases, including allergic rhinitis and asthma. Growth in the number of circulating, airway tissue, and induced sputum eosinophils have been observed in patients with these diseases. IL-5 also had something with the terminally differentiated granulocyte eosinophils. IL-5 was originally found as an eosinophil colony-stimulating factor. It has been proved to be a major regulator of eosinophil accumulation in tissues and can modulate eosinophil behavior at every stage from maturation to survival.

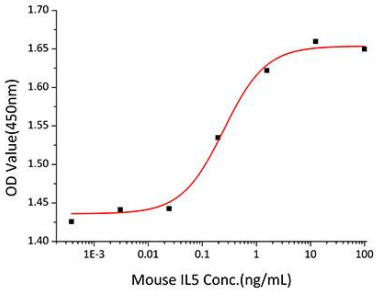
Properties

Synonyms:	Il-5 ; IL5
Gene ID:	16191
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse IL-5 Protein (RPCB1699), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Mouse IL-5 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Recombinant Mouse IL-5 stimulates cell proliferation of the TF-1 Mouse erythroleukemic cells. The ED50 for this effect is 0.12-0.49ng/mL.