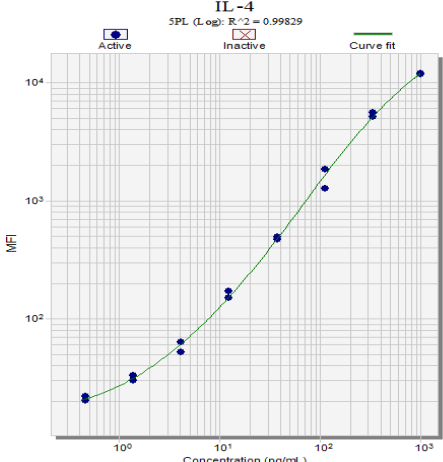


**Interleukin 4 (IL-4)** is a cytokine that functions as a potent regulator of immunity. It is secreted primarily by mast cells, Th2 cells, eosinophils, and basophils. IL-4 signals through the IL-4R  $\alpha$ -chain which activates several pathways. This activation can lead to B cell proliferation, survival of T and B cells and chemokine production. IL-4 has been shown to have a role in allergic asthma through its regulation of TH2 cell proliferation and IgE synthesis, and atopy or excessive IgE production has been associated with elevated levels of IL-4 in response to allergens.

Description	
Immunogen	HEK293-derived recombinant Golden Hamster IL-4. Asn20-Phe147.
Reactivity	Hamster
Source	Mouse monoclonal IgG <sub>1</sub>
Purification	Protein G purified from hybridoma cell culture supernatant
Applications	ELISA (Detection)
Formulation	Lyophilized from PBS with Trehalose Reconstitute in 100µL ddH <sub>2</sub> O to 1 mg/mL
Shipping	Ambient
Storage	5 years at -20°C to -80°C as supplied 1 month at 4°C after reconstitution with preservative 1 year at -20°C to -80°C after reconstitution
Expiration	See lot specific CoA
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>IL-4 SPL (Log): R<sup>2</sup> = 0.99829</p> <p>Active (blue circle), Inactive (red square), Curve fit (green line)</p> </div> <div style="width: 50%;"> <p><b>Hamster IL-4 Luminex Assay</b></p> <p>Capture: Hamster IL-4 clone HM4-1C6 (Cat # M2035)            Detection: Hamster IL-4 clone <b>HM4-3C11</b> (Cat # M2034)            Antigen: Recombinant Hamster IL-4, HEK expressed</p> </div> </div>	