

IVMB0462

Product Information

Product SKU: IVMB0462	Clone: Hu137	Target: IL-6
Size: 100 µg		Isotype: Human IgG1k

Additional Information

Reactivity: Human	Host Species: Human
Antibody Type: Biosimilar Recombinant Human Monoclonal Antibody	Expression Host: HEK-293 Cells

Immunogen Information

Background: IL-6 and its signaling pathway play a part in immune response regulation, inflammation, and hematopoiesis.² Sarilumab is a research-grade recombinant human monoclonal IL-6 receptor antagonist. It specifically binds to both the transmembrane and soluble forms of the IL-6 receptor, thus inhibiting IL-6-mediated cis and trans-signaling in a dose-dependent manner.¹ Therapeutic Sarilumab, also known by the trade name Kevzara, is currently used to treat Rheumatoid Arthritis¹, however, as of March 2020, The Feinstein Institute of Northwell Health publicized a study on "a human antibody that may prevent the activity" of IL-6 for the treatment of COVID-19.³ Anti-Human IL-6 (Sarilumab) utilizes the same variable regions from the therapeutic antibody Sarilumab making it ideal for research projects.

Product Concentration: 0.5 mg/ml

Applications: ELISA

Synonyms: Interleukin-6, CDF; HGF; HSF; BSF2; BSF-2; IFNB2; IFN-beta-2

Antigen Distribution: IL-6R is ubiquitously expressed.

Additional Applications: FA

Formulation: This HRP-conjugated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4, 1% BSA. **(Warning: Use of sodium azide as a preservative will inhibit the enzyme activity of horseradish peroxidase)**

- Specificity:** This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Sarilumab. Sarilumab binds to the transmembrane and soluble forms of the IL-6 receptor. This product is for research use only.
- Pathogen Testing:** -
- Storage & Handling:** This horseradish peroxidase conjugated monoclonal antibody is stable when stored at 2-8°C. Do not freeze.