

## 12-8091: Anti-Human IL-6 (Sarilumab) - Fc Muted™ Biotin

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	Hu137
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	Interleukin-6, CDF; HGF; HSF; BSF2; BSF-2; IFNB2; IFN-beta-2
<b>Isotype :</b>	Human IgG1k

### Description

Expression Host : HEK-293

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.

IL-6 and its signaling pathway play a part in immune response regulation, inflammation, and hematopoiesis.<sup>2</sup> 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 $\alpha$ -mediated cis and trans-signaling in a dose-dependent manner.<sup>1</sup> Therapeutic Sarilumab, also known by the trade name Kevzara, is currently used to treat Rheumatoid Arthritis<sup>1</sup>, 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.<sup>3</sup> Anti-Human IL-6 (Sarilumab) utilizes the same variable regions from the therapeutic antibody Sarilumab making it ideal for research projects.

### Product Info

<b>Amount :</b>	100 $\mu$ g
	Concentration : 0.5 mg/ml
<b>Content :</b>	This Biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.
<b>Storage condition :</b>	This biotinylated antibody is stable when stored at 2-8°C. Do not freeze.

### Application Note

The suggested concentration for Alemtuzumab biosimilar antibody for staining cells in flow cytometry is  $\leq$  1.0  $\mu$ g per 10<sup>6</sup> cells in a volume of 100  $\mu$ l. Titration of the reagent is recommended for optimal performance for each application.ELISA