

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human IL-6R alpha based on Sarilumab therapeutic antibody. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Sarilumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG ₁ Clone # Hu137
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human IL-6R alpha
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

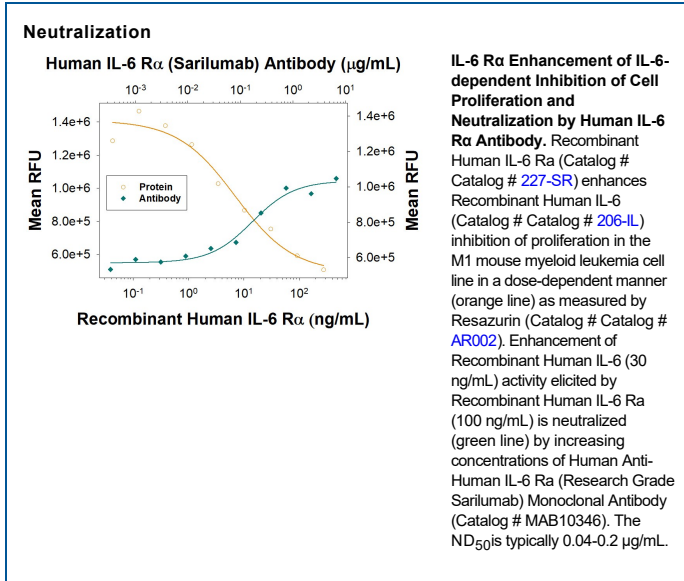
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CytoTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize IL-6 Rα-mediated enhancement of IL-6-dependent Inhibition of cell proliferation in the M1 mouse myeloid leukemia cell line. The Neutralization Dose (ND ₅₀) is typically 0.04-0.2 µg/mL in the presence of 100 ng/mL Recombinant Human IL-6 Rα and 30 ng/mL Recombinant Human IL-6.	

DATA

<p>Flow Cytometry</p> <p>Detection of IL-6R alpha in HEK293 Human cell line Transfected with Human IL-6R alpha and eGFP by Flow Cytometry. HEK293 Human cell line transfected with (A) Human IL-6R alpha or (B) irrelevant protein, and eGFP was stained with Human Anti-Human IL-6R alpha (Research Grade Sarilumab Biosimilar) Monoclonal Antibody (Catalog # MAB10346) followed by APC-conjugated Anti-Human IgG Secondary Antibody (Catalog # Catalog # F0135). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Flow Cytometry</p> <p>Detection of IL-6R alpha in U937 human histiocytic lymphoma cell line by Flow Cytometry. U937 human histiocytic lymphoma cell line was stained with Human Anti-Human IL-6R alpha (Research Grade Sarilumab Biosimilar) Monoclonal Antibody (Catalog # MAB10346, filled histogram) or irrelevant antibody (open histogram) followed by APC-conjugated Anti-Human IgG Secondary Antibody (Catalog # Catalog # F0135). View our protocol for Staining Membrane-associated Proteins.</p>
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PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Sarilumab is a biosimilar directed against human IL-6R alpha.