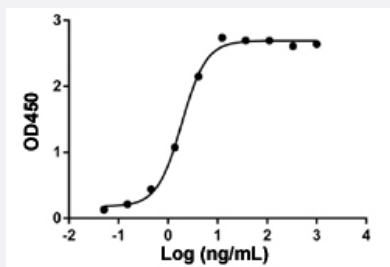


Anti-Sarilumab monoclonal antibody, clone 23H12

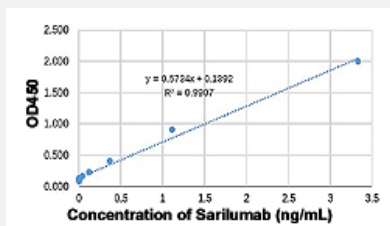
Catalog # MAB23108 Size 40 ug

Applications



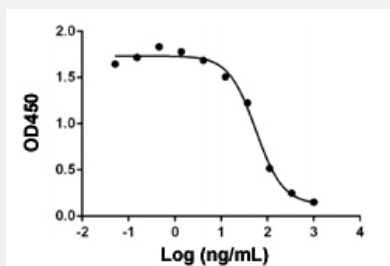
Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) with Sarilumab. While the antibody does not recognize the human IgG (data not shown). Coating antigen: Sarilumab, 1 ug/mL. Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) dilution start from 1000 ng/mL. $EC_{50} = 1.887$ ng/mL.



Sandwich ELISA

Standard curve of Sarilumab Sandwich ELISA. The Sarilumab Sandwich ELISA assay is developed by using Anti-Sarilumab monoclonal antibody, clone 26B10 (Cat # MAB23107) and Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) was labeled with Biotin. The sensitivity of detecting Sarilumab is up to 0.04 ng/mL.



Blocking

Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) blocks Sarilumab binding with IL-6R, Human. Coating antigen: IL-6R 1 ug/mL. Sarilumab final concentration: 25 ng/mL. Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) dilutions start from 1 ug/mL. $IC_{50} = 0.056$ ug/mL.

Specification

Product Description

Mouse monoclonal antibody raised against Sarilumab.
Target gene is IL-6 receptor.

Immunogen	Sarilumab.
Host	Mouse
Specificity	The product is specific for Sarilumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody Anti-Sarilumab monoclonal antibody, clone 26B10 (Cat # MAB23107).
Form	Lyophilized
Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Sarilumab.
Purification	Protein A purification
Isotype	IgG2b, kappa
Recommend Usage	ELISA (ELISA detection: 0.01-0.1 ug/mL; ELISA blocking: 0.1-10 ug/mL) (Direct/Indirect/Inhibitory ELISA) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	0.056 ug/mL
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C on dry atmosphere. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) with Sarilumab. While the antibody does not recognize the human IgG (data not shown). Coating antigen: Sarilumab, 1 ug/mL. Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) dilution start from 1000 ng/mL. EC₅₀ = 1.887 ng/mL.

- Sandwich ELISA

Standard curve of Sarilumab Sandwich ELISA. The Sarilumab Sandwich ELISA assay is developed by using Anti-Sarilumab monoclonal antibody, clone 26B10 (Cat # MAB23107) and Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Sarilumab monoclonal antibody, clone 23H12 (Cat # MAB23108) was labeled with Biotin. The sensitivity of detecting Sarilumab is up to 0.04 ng/mL.

- Blocking

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Gene Info — IL6R

Entrez GeneID [3570](#)

Gene Name IL6R

Gene Alias CD126, IL-6R-1, IL-6R-alpha, IL6RA, MGC104991

Gene Description interleukin 6 receptor

Omim ID [147880](#)

Gene Ontology [Hyperlink](#)

Gene Summary Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. The protein encoded by this gene is a subunit of the receptor complex for IL6. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations CD126 antigen|OTTHUMP00000034320|interleukin 6 receptor alpha subunit

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Abscess](#)
- [Adenocarcinoma](#)

- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
- [Hyperandrogenism](#)
- [Hyperglycemia](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoproliferative Disorders](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Pain](#)
- [Periodontitis](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Respiratory Tract Infections](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Thoracic Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)