

IL-6 Monoclonal Antibody (5IL6)

Product Details	
Size	500 µg
Species Reactivity	Human
Published Species	Rat, Pig, Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	5IL6
Conjugate	Unconjugated
Immunogen	Recombinant human IL-6.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_223576

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	15 Publications
Flow Cytometry (Flow)	1:100	-
Western Blot (WB)	Assay Dependent	-
Immunocytochemistry (ICC)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

M620 was successfully to detect IL-6 in Flow application.

M620 targets IL-6 in ELISA, and Western blot applications and shows reactivity with human samples.

The M620 immunogen is recombinant human IL-6.

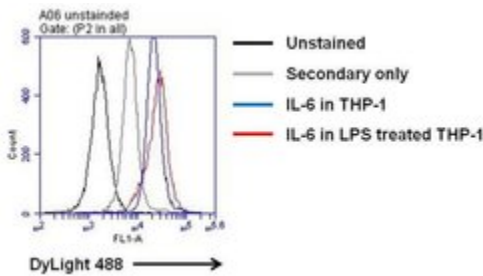
M620 detects IL-6 which has a predicted molecular weight of approximately 22 kDa.

The M620 IL6 antibody (clone 5IL6) has successfully been paired as the coating antibody in a sandwich ELISA with detection antibody M621B (biotinylated conjugate of clone 7IL6). Typical dilutions for sandwich ELISA include 1 µg/mL for coating and 0.125 - 0.25 µg/mL for detection.

Antibody M620 (clone 5IL6) and biotinylated antibody M621B (clone 7IL6) have successfully been used in combination with recombinant IL6 protein SIL6 in ELISA applications.

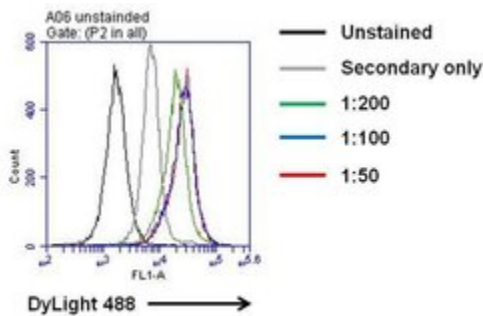
This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

Product Images For IL-6 Monoclonal Antibody (5IL6)



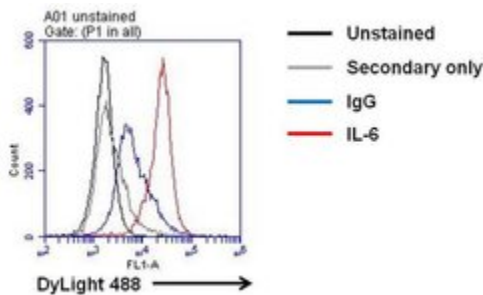
IL-6 Antibody (M620) in Flow

Flow cytometry analysis of IL-6 on PHA-M stimulated THP-1 cells with or without LPS treatment. Cells were fixed with 4% formaldehyde for 30 min on ice and permeabilized with IC permeabilization buffer (Product # PB001). After incubation with blocking buffer (Product # 37525) for 30 min on ice, cells were then stained with anti-IL-6 mouse monoclonal antibody (Product # M620) at 1:100 dilution with IC permeabilization buffer for 30 min on ice. After washing with ice-cold IC permeabilization buffer for 3 times, the cells were stained with DyLight 488 goat anti-mouse secondary antibody (Product # 35502) for 30 min on ice. A representative 10,000 cells were acquired for each sample.



IL-6 Antibody (M620) in Flow

Flow cytometry analysis of IL-6 on LPS treated THP-1 cells. Cells were fixed with 4% formaldehyde for 30 min on ice and permeabilized with IC permeabilization buffer (Product # PB001). After incubation with blocking buffer (Product # 37525) for 30 min on ice, cells were then stained with anti-IL-6 mouse monoclonal antibody (Product # M620) at indicated dilution with IC permeabilization buffer for 30 min on ice. After washing with ice-cold IC permeabilization buffer for 3 times, the cells were stained with DyLight 488 goat anti-mouse secondary antibody (Product # 35502) for 30 min on ice. A representative 10,000 cells were acquired for each sample.



IL-6 Antibody (M620) in Flow

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[View more figures on thermofisher.com](http://thermofisher.com)

ELISA (15)

Experimental and therapeutic medicine

Sevoflurane exerts protective effects on liver ischemia/reperfusion injury by regulating *NFKB3* expression via miR-9-5p.

"M620 was used in an ELISA assay to study the protective effects of sevoflurane on hepatic ischemia/reperfusion liver injury."

Authors: Liao X,Zhou S,Zong J,Wang Z

Species
Rat

Dilution
Not Cited

Year
2019

British journal of clinical pharmacology

Development and validation of panoptic Meso scale discovery assay to quantify total systemic interleukin-6.

"M620 was used in ELISA to develop a validated assay to measure complexed and non-complexed IL-6."

Authors: Chaturvedi S,Siegel D,Wagner CL,Park J,van de Velde H,Vermeulen J,Fung MC,Reddy M,Hall B,Sasser K

Species
Human

Dilution
Not Cited

Year
2015

[View more ELISA references on thermofisher.com](#)

Miscellaneous PubMed (1)

Breast cancer (Dove Medical Press)

Interleukin-6 is a potential therapeutic target in interleukin-6 dependent, estrogen receptor--positive breast cancer.

"M620 was used to discuss the role of IL-6 in estrogen receptor positive breast cancers"

Authors: Casneuf T,Axel AE,King P,Alvarez JD,Werbeck JL,Verhulst T,Verstraeten K,Hall BM,Sasser AK

Species
Human

Dilution
Not Cited

Year
2016

Immunocytochemistry (1)

Molecular endocrinology (Baltimore, Md.)

A nonsteroidal glucocorticoid receptor antagonist.

"M620 was used in immunocytochemistry to characterize a potent nonsteroidal antagonist against glucocorticoid receptor"

Authors: Miner JN,Tyree C,Hu J,Berger E,Marschke K,Nakane M,Coghlan MJ,Clemm D,Lane B,Rosen J

Species
Human

Dilution
Not Cited

Year
2003

More applications with references on thermofisher.com

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