

IL-12/IL-23 p40 Monoclonal Antibody (C8.6), Biotin

Product Details

Size	250 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	C8.6
Conjugate	Biotin
Immunogen	COS cell-derived recombinant human IL-12, p40 subunit
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS with 4% BSA
Contains	proprietary preservative
Storage conditions	-20°C
RRID	AB_223555

Applications	Tested Dilution	Publications
Western Blot (WB)	0.02 µg/mL	-
ELISA (ELISA)	1 µg/mL (coating), 0.06-0.3 µg/mL (detection)	12 Publications

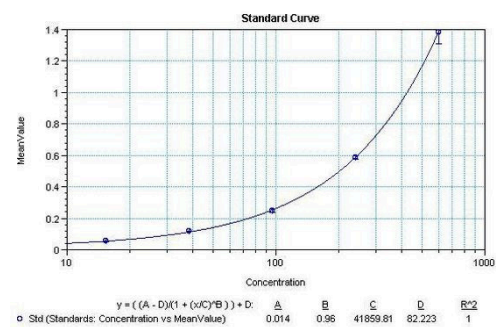
Product Specific Information

This antibody is specific for natural IL-12 and recognizes the p70 heterodimer as well as the p40 subunit (monomers and homodimers). It will not cross-react with the p35 subunit.

The M121B IL12 antibody (biotinylated conjugate of clone C8.6) has successfully been paired as the detection antibody in a sandwich ELISA with capture antibody M122 (clone 20C2). Typical dilutions for sandwich ELISA include 1 µg/mL for coating and 0.06 - 0.3 µg/mL for detection with 50 µl/well.

Biotinylated antibody M121B (clone C8.6) and antibody M122 (clone 20C2) have successfully been used in combination with recombinant IL12 p70 protein SIL12 in ELISA applications.

Product Images For IL-12/IL-23 p40 Monoclonal Antibody (C8.6), Biotin



IL-12/IL-23 p40 Antibody (M121B) in ELISA

Sandwich ELISA analysis of Human IL-12 Biotinylated Antibody (Product # M121B) was performed using the Thermo Scientific Human IL-12 (p70) ELISA Kit (Product # EHIL12) by loading 50 µL per well of Human IL-12 Biotinylated Antibody (Product # M121B) in duplicate at 0.03125 µg/mL dilution and 50 µL per well of Human IL-12 (p70) ELISA Standard (Product # SIL12) in duplicate at 600, 240, 96, 38.4, 15.4, 0 pg/mL across a pre-coated plate of Human IL-12 MAb (Product # M122) at 7 µg/mL dilution and incubated for 3 hours at room temperature. The plate was washed then incubated with 100 µL per well of Streptavidin-HRP (Product # N504) in all test wells at 1:3,000 dilution for 30 minutes at room temperature followed by 100 µL per well of TMB substrate for 30 minutes at room temperature in the dark. The plate was stopped with 0.16M sulfuric acid. Absorbances were read on a spectrophotometer at 450-550 nm.

12 References

ELISA (12)

EBioMedicine	Type 1-programmed dendritic cells drive antigen-specific latency reversal and immune elimination of persistent HIV-1.	Year 2019
	"M121B was used in an ELISA assay to test the use of antigen-presenting type 1-polarized, monocyte-derived dendritic cells generated from chronic HIV-1-infected individuals on ART as a means to induce HIV-1 latency reversal in autologous CD4+ T cells harboring replication-competent provirus."	Species Human
	Authors: Kristoff J,Palma ML,Garcia-Bates TM,Shen C,Sluis-Cremer N,Gupta P,Rinaldo CR,Mailliard RB	
iScience	The Phosphoinositide Kinase PIKfyve Promotes Cathepsin-S-Mediated Major Histocompatibility Complex Class II Antigen Presentation.	Year 2019
	"M121B was used in an ELISA assay to study the role of PIKfyve in the processing and presentation of antigens."	Species Human
	Authors: Baranov MV,Bianchi F,Schirmacher A,van Aart MAC,Maassen S,Muntjewerff EM,Dingjan I,Ter Beest M,Verdoes M,Keyser SGL,Bertozzi CR,Diederichsen U,van den Bogaart G	

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

More applications with references on thermofisher.cn

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.