

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

Product Details	
Size	500 µg
Species Reactivity	Human
Published Species	Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	C8.6
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_468450

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	6 Publications
ELISA (ELISA)	-	1 Publication
Neutralization (Neu)	Assay-Dependent	1 Publication
Functional Assay (FN)	Assay-Dependent	1 Publication

Product Specific Information

Description: The C8.6 antibody reacts with the p40 subunit of human IL-12 p70 and human IL-23. IL-12 is a 70 kDa heterodimeric cytokine composed of two covalently linked chains, p40 and p35, and secreted primarily by activated monocytes, macrophages, and dendritic cells. IL-23 is a biologically-related, heterodimeric cytokine composed of disulfide-linked p40 and p19 subunits.

Applications Reported: Unlabeled C8.6 has been reported for use as a cold mAb control to block fluorochrome conjugated C8.6 in staining of intracellular IL-12 and in immunoblotting under nonreducing conditions. C8.6 has also been reported for use in cytokine neutralization. (Please use Functional Grade purified C8.6, Product # 16-7129 , in functional assays.).

Applications Tested: The unconjugated C8.6 antibody has been tested as a cold mAb control to block fluorochrome conjugated C8.6 in staining of intracellular IL-12 and nonreducing immunoblots at 2 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

9 References

Flow Cytometry (6)

Frontiers in cellular and infection microbiology

Regulations of Glycolytic Activities on Macrophages Functions in Tumor and Infectious Inflammation.

"14-7129-85 was used in Flow Cytometry to provide a basis for a comprehensively understanding the role of glycolysis and OXPHOS in macrophage differentiation during anti-infection and anti-tumor inflammation."

Authors: Yu Q,Wang Y,Dong L,He Y,Liu R,Yang Q,Cao Y,Wang Y,Jia A,Bi Y,Liu G

Year
2021

Species
Mouse

BioMed research international

Dendritic cell profile induced by Schistosoma mansoni antigen in cutaneous leishmaniasis patients.

"14-7129 was used in Flow cytometry/Cell sorting to investigate the dendritic cell profile induced by Schistosoma mansoni antigen in cutaneous leishmaniasis patients."

Authors: Lopes DM,Fernandes JS,Cardoso TM,Bafica AM,Oliveira SC,Carvalho EM,Araujo MI,Cardoso LS

Year
2015

Species
Human

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

ELISA (1)

Gut

IL23 induces IL23R recycling and amplifies innate receptor-induced signalling and cytokines in human macrophages, and the IBD-protective IL23R R381Q variant modulates these outcomes.

"14-7129-85 was used in Enzyme-linked immunosorbent assay to analyse protein and RNA expression, signalling and localisation in human monocyte-derived macrophages."

Authors: Sun R,Hedl M,Abraham C

Year
2020

Species
Human

Neutralization (1)

Infection and immunity

Human monocytes promote Th1 and Th17 responses to Streptococcus pneumoniae.

"14-7129 was used in Neutralization experiments to examine bacterial and host factors involved in the induction of Th1 and Th17 responses."

Authors: Olliver M,Hiew J,Mellroth P,Henriques-Normark B,Bergman P

Year
2011

Species
Human

More applications with references on thermofisher.cn

FN (1)

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