

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

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	C8.6
Conjugate	Biotin
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, store in dark, DO NOT FREEZE!
RRID	AB_466930

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.5-2 µg/mL	2 Publications

## 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:** The C8.6 antibody has been reported for use in ELISA.

**Applications Tested:** The biotinylated C8.6 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of human IL-12 p70 in combination with the purified B-T21 (13-7128) antibody for capture and recombinant human IL-12 p70 (14-8129) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5 - 2.0 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 2000 pg/mL - 15 pg/mL should be included in each ELISA plate. The biotinylated C8.6 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of human IL-12 p40 monomer in combination with the purified C8.3 (14-7127) antibody for capture and recombinant human IL-12 p40 as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2.0 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 10000 pg/mL - 80 pg/mL should be included in each ELISA plate.

**Filtration:** 0.2 µm post-manufacturing filtered.

ELISA (2)

<p><b>BMC bioinformatics</b></p> <p><b>Clustering of disulfide-rich peptides provides scaffolds for hit discovery by phage display: application to interleukin-23.</b></p> <p>"13-7129 was used in an ELISA assay to implement a protocol for defining these diverse scaffolds, based on clustering structurally defined DRPs according to their conformational similarity."</p> <p>Authors: Barkan DT,Cheng XL,Celino H,Tran TT,Bhandari A,Craik CS,Sali A,Smythe ML</p>	<p><b>Year</b> 2016</p> <p><b>Species</b> Human</p>
<p><b>FEMS immunology and medical microbiology</b></p> <p><b>Induction of cytokines in a macrophage cell line by proteins of Clostridium difficile.</b></p> <p>"13-7129 was used in an ELISA assay to assess the induction of cytokines in a macrophage cell line in response to different antigens prepared from five Clostridium difficile strains."</p> <p>Authors: Vohra P,Poxton IR</p>	<p><b>Year</b> 2012</p> <p><b>Species</b> Human</p>

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