

# IL-12/IL-23 p40 Monoclonal Antibody (C8.6), Alexa Fluor 488, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	C8.6
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10547061

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.03 µg)/test	1 Publication

## Product Specific Information

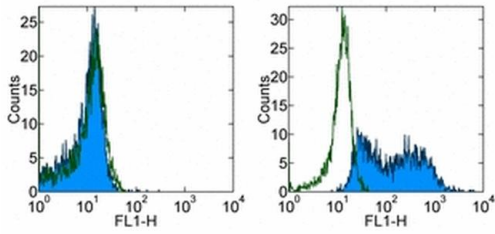
**Description:** The C8.6 antibody reacts with the p40 subunit of human IL-12 p70 and human IL-23. IL-12 is a 70 kDa heterodimeric cytokine composed of two covalently linked chains, p40 and p35, and secreted primarily by activated monocytes, macrophages, and dendritic cells. IL-23 is a biologically-related,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

**Applications Tested:** This C8.6 antibody has been pre-titrated and tested by intracellular staining of IFN gamma LPS activated human normal human peripheral blood cells. This can be used at 5 µL (0.03 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488 nm; **Emission:** 519 nm; **Laser:** Blue Laser.

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

## Product Images For IL-12/IL-23 p40 Monoclonal Antibody (C8.6), Alexa Fluor 488, eBioscience™



### IL-12/IL-23 p40 Antibody (53-7129-42) in Flow

Intracellular staining of unstimulated (left) or 2-hour IFN gamma and overnight LPS-stimulated (right) normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human IL-12 p40 Alexa Fluor® 488 (filled histogram). Cells in the monocyte gate were used for analysis.

## 1 Reference

### Flow Cytometry (1)

#### Nature protocols

#### Antigen-specific activation and cytokine-facilitated expansion of naive, human CD8+ T cells.

"53-7129 was used in Flow cytometry experiments to develop an assay for antigen-specific priming of CD8(+) T cells after a single specific stimulation event."

Authors: Wölfel M, Greenberg PD

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2014

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