

# IL-12/IL-23 p40 Monoclonal Antibody (eBioHP40 (HP40, HP-40)), PerCP-eFluor 710, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioHP40 (HP40, HP-40)
Conjugate	PerCP-eFluor™ 710
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_1907424

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.03 µg)/test	-

## Product Specific Information

**Description:** The eBioHP40 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 is 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.

The eBioHP40 antibody has slightly lower background staining than C8.6 and recognizes a different epitope.

**Applications Reported:** This eBioHP40 (HP40, HP-40) antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This eBioHP40 (HP40, HP-40) antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated 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.

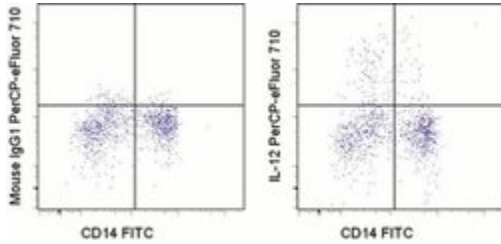
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For IL-12/IL-23 p40 Monoclonal Antibody (eBioHP40 (HP40, HP-40)), PerCP-eFluor 710, eBioscience™



### IL-12/IL-23 p40 Antibody (46-7235-41) in Flow

Intracellular staining of normal human peripheral blood cells stimulated with LPS and IFN gamma (Product # 14-8319-80) in the presence of Brefeldin A (Product # 00-4506-51) with Anti-Human CD14 FITC (Product # 11-0149-42) and Mouse IgG1 kappa Isotype Control PerCP-eFluor® 710 (Product # 46-4714-82) (left) or Anti-Human IL-12/IL-23 p40 PerCP-eFluor® 710 (right). Live cells in the monocyte gate were used for analysis.

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