

IL-12/IL-23 p40 Monoclonal Antibody (eBioHP40 (HP40, HP-40)), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioHP40 (HP40, HP-40)
Conjugate	PE
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_10854420

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.06 µg)/test	1 Publication

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.

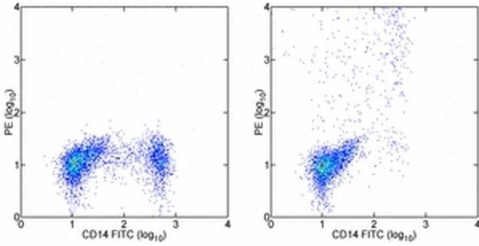
Applications Reported: The C8.6 antibody has been reported for use in intracellular flow cytometric analysis.

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 (0.06 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 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



IL-12/IL-23 p40 Antibody (12-7235-42) in Flow

Intracellular staining of unstimulated (left) or IFN gamma (Product # 14-8139), LPS, and monensin stimulated (right) normal human peripheral blood cells with Anti-Human CD14 FITC (Product # 11-0149-42) and Anti-Human IL-12/IL-23 p40 PE. Cells in the monocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Journal of immunology (Baltimore, Md. : 1950)

Chloroquine promotes IL-17 production by CD4+ T cells via p38-dependent IL-23 release by monocyte-derived Langerhans-like cells.

"12-7235 was used in Flow cytometry/Cell sorting to indicate that chloroquine modulates cytokine release in a p38-dependent manner."

Authors: Said A,Bock S,Lajqi T,Müller G,Weindl G

Species
Human

Dilution
Not Cited

Year
2014

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