

Product Data Sheet

Purified anti-mouse IL-12/IL-23 p40 (monomer, dimer, heterodimer)

Catalog # / Size: 505201 / 50 µg
505202 / 500 µg

Clone: C15.6

Isotype: Rat IgG1, κ

Immunogen: CHO-expressed, recombinant mouse IL-12 p70

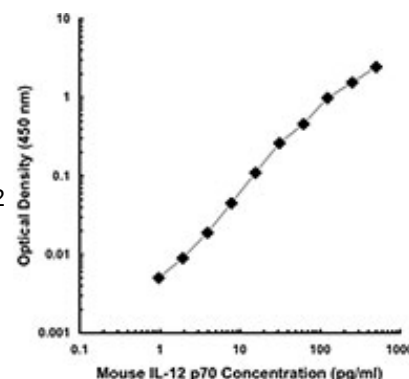
Reactivity: Mouse, IL-12/IL-23 p40 subunit (monomer, homodimer and heterodimer IL-12 p35/p40 or IL-23 p19/p40)

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Applications:

Applications: ELISA Capture - *Quality tested*
IP, IHC, WB - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 1-4 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-12 recombinant protein ranging from 250 to 2 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture^{1,2,4,6,8,10}:** The purified C15.6 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated C17.8 (Cat. No. 505302) antibody as the detecting antibody. This assay detects p40 as monomer, homodimer, or heterodimer complexed with p35. The LEAF™ purified antibody is suggested for ELISPOT capture.

Additional reported applications (for the relevant formats) include: immunohistochemical staining⁹ of paraformaldehyde-fixed saponin-treated frozen tissue sections, immunoprecipitation³, Western blotting³, and immunocytochemistry.

Note: For testing mouse IL-12 p40 (monomer, dimer, heteromer) in serum or plasma, BioLegend's ELISA Max™ Sets (Cat. No. 431601 to 431606) are specially developed and recommended.

Application References:

1. Kitagaki K, *et al.* 2002. *Clin. Diagn. Lab Immunol.* 9:1260.
2. Reichmann G, *et al.* 1999. *J. Immunol.* 163:3354.
3. Wysocka M, *et al.* 1995. *Eur. J. Immunol.* 25:672.
4. Gately M. 1995. *Curr. Prot. Immunol.* John Wiley and Sons, New York. Unit 6.16.
5. Macatonia S, *et al.* 1995. *J. Immunol.* 154:5071.
6. O'Connell PJ, *et al.* 2006. *Blood* 107:1010.
7. Akilov OE, *et al.* 2007. *J. Leukocyte Biol.* 2007;10.1189/jlb.0706439.
8. Dzhagalov I, *et al.* 2007. *J. Immunol.* 178:2113.
9. Huang LY, *et al.* 2001. *J. Immunol.* 167:1423.
10. Xu G, *et al.* 2007. *J. Immunol.* 179:5358. PubMed
11. Charles N, *et al.* 2010. *Nat. Med.* 16:701. (FC) PubMed

Description: The C15.6 antibody reacts with mouse IL-12 p40 subunit of the IL-12 p70 and IL-23 p40 subunit of the IL-23 p19/p40, as well as p40 monomer and homodimer, or heterodimer. The C15.6 antibody can not neutralize the bioactivity of natural or recombinant IL-12.

Antigen References:

1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press, San Diego.
2. Quesniaux V. 1992. *Research Immunol.* 143:385.
3. Trinchieri G, *et al.* 1992 *Prog. Growth Factor Res.* 4:355.
4. Trinchieri G, *et al.* 1993 *Immunol. Today.* 14:335.
5. Oppmann B, *et al.* 2000 *Immunity.* 13:715.
6. Aggarwal S, *et al.* 2003 *J. Biol. Chem.* 278:1910.
7. Parham C, *et al.* 2002 *J. Immunol.* 168:5699.
8. Belladonna ML, *et al.* 2002 *J. Immunol.* 168:5448.
9. Lankford, CS, *et al.* 2003 *J. Leukocyte Biol.* 73:49.

Related Products:

Product
 Biotin anti-mouse IL-12/IL-23 p40 (monomer, dimer, heterodimer)
 Recombinant Mouse IL-12 (p40 homodimer)
 Recombinant Mouse IL-12 (p70)

Clone
 C17.8

rm IL-12 (p70)

Application

ELISA Detection, ELISPOT
 Detection, ICFC
 BA, ELISA
 BA, ELISA, ELISPOT



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HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)
Mouse IL-12/IL-23 (p40) ELISA MAX™ Standard
Mouse IL-12/IL-23 (p40) ELISA MAX™ Deluxe

Avidin

ELISA, ELISPOT, IHC, WB
ELISA
ELISA
ELISA
ELISA



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