

InVivoMAb anti-mouse IL-12 p40

Lot Specific Information

Lot Number:	Lot Specific*
Volume:	Lot Specific*
Concentration:	Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein:	Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	BE0051
Clone:	C17.8
Isotype:	Rat IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Recombinant mouse IL-12 p70 <i>in vivo</i> IL-12p40 neutralization p40 affinity chromatography Immunoprecipitation
Reported Applications:	ELISA Flow cytometry Western blot
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_1107698
Molecular Weight:	150 kDa

Description

The C17.8 antibody reacts with mouse p40 also known as IL-12 β . p40 is a 40 kDa subunit of IL-12 and IL-23. IL-12 is a heterodimeric cytokine composed of subunits IL-12 α p35 and IL-12 β p40. The p40 subunit of IL-12 also combines with p19, a protein that shows no biological activity by itself, to form IL-23. IL-12 is secreted by activated monocytes, macrophages, and dendritic cells while IL-23 is secreted by activated dendritic cells and epithelial cells. IL-12 plays roles in T lymphocyte differentiation, IFN γ production, and NK cell cytotoxicity. The C17.8 antibody has been shown to neutralize both IL-12 and IL-23 bioactivity.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at bxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit <https://bxcell.com/product/invivomab-anti-m-il-12-il-23/#references> or scan the QR code below.

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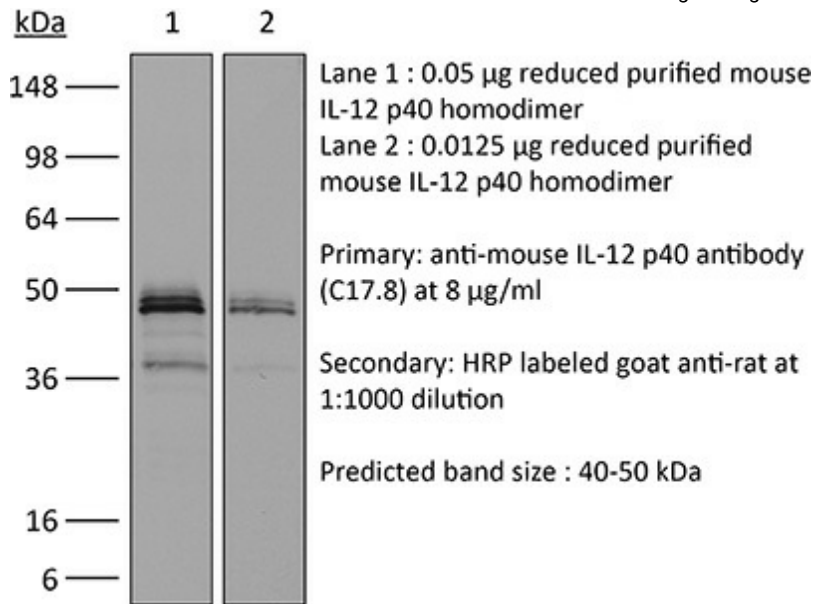
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Binding Validation

Western blot data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, email technicalservice@bxcell.com.



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