

Anti-Mouse IL-35 EBI3 subunit Monoclonal Antibody Clone V1.4C4.22 Catalog #: MAB-200-IL3522

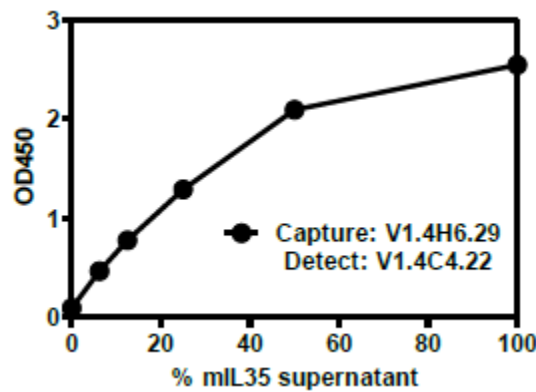
Specifications and Use

Target:	Mouse Interleukin 35
Label:	Unlabeled
Host and Isotype:	Mouse, IgG2b/k
Physical State:	0.5 mg/mL solution
Immunogen:	Full length recombinant Mouse IL-35 EBI3 subunit
Endotoxin Level:	<0.1EUs/ μ g
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with no stabilizers or preservatives
Storage:	Store at 2-8°C for use within 1-3 weeks or -20°C for long term storage, avoid repeat freeze thaws.
Reactivity:	Human and Mouse IL-35 (EBI3 Subunit)
Description:	Interleukin 35 (IL-35) is a cytokine member of the IL-12 family produced by regulatory T cells. IL-35 is a heterodimer comprised of one p35 monomer and one EBI3 monomer. IL-35 is thought to play an important role in regulatory T cell suppression of inflammation. In addition to IL-35, EBI3 is also a monomer in the IL-27 heterodimer. V1.4C4.22 does not recognize EBI3 when part of the IL-27 heterodimer.

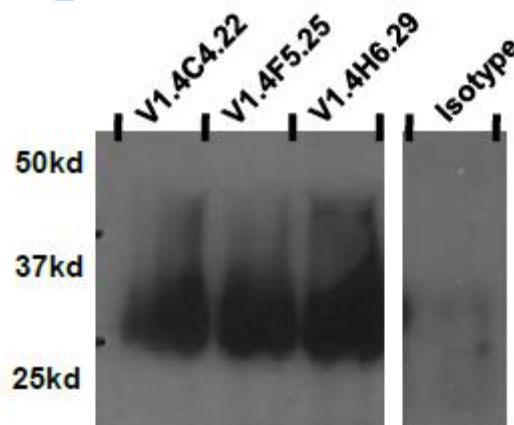
Reference: Collison LW, Chaturvedi V, Henderson AL, Giacomini PR, Guy C, Bankoti J, Finkelstein D, Forbes K, Workman CJ, Brown SA, Rehg JE, Jones ML, Ni HT, Artis D, Turk MJ, Vignali DA. IL-35-mediated induction of a potent regulatory T cell population. *Nat Immunol* 11:1093-1101, 2010.

Application Notes*:

***In vitro* and *in vivo* neutralization of mouse IL-35
Immunoprecipitation of human and mouse IL-35
ELISA detection or capture antibody for mouse IL-35**



ELISA: Supernatant from 293T cells transfected with a vector containing murine IL-35 was added to an ELISA plate coated with V1.4H6.29 at 2ug/ml in PBS. mEBI3 was detected with biotinylated V1.4C4.22. Figure provided by the Vignali Lab at St. Jude's Children's Hospital, Memphis, TN.



Immunoprecipitation: Supernatant from 293T cells transfected with a vector containing murine IL-35 was immunoprecipitated with indicated anti-EBI3 mAbs plus protein G beads, resolved by SDS page gel and blotted with biotinylated V1.4H6.29 at 1ug/ml. Figure provided by the Vignali Lab at St. Jude's Children's Hospital, Memphis, TN.

***INVESTIGATORS ARE ADVISED TO TITRATE ANTIBODIES TO REACH OPTIMAL ASSAY CONDITIONS FOR THEIR SPECIFIC NEEDS.**

THIS PRODUCT IS FOR RESEARCH USES ONLY! THIS PRODUCT IS NOT FOR USE IN HUMANS!!!

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