Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Mouse IL-12 p70 mAb

Catalog No.: RM17757

Basic Information

Catalog No.
RM17757

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2 μm filtered solution in PBS with 0.05% Proclin 300, pH 7.3.

Contact

order@abclonal.com

support@abclonal.com

www.abclonal.com

Background

IL-12 is a heterodimeric cytokine composed of p40 and p35 subunits and is considered a largely pro-inflammatory cytokine. It is naturally produced by dendritic cells, macrophages, neutrophils, and human B-lymphoblastoid cells. IL-12 is crucial for the recruitment and effector functions of CD8+ T and NK cells.

Immunogen Information

Immunogen
Recombinant Mouse IL-12 p70 Protein

Cross-Reactivity

Has cross-reactivity in immunoassay with
mIL-23,mIL-12p40
No cross-reactivity in ELISA assay withre combinant
mIL-4,mTNF-α,mIFNγ,mIL-6,mIL-2,mIL-9,mVEGF, mIL-10,mIL-1B,Mouse IL-13, mLeptin, mGM-CSF,hIL-12p40,hIL-12p70,hIL-23

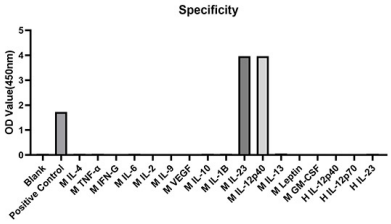
Assay Applications

Mouse IL-12 p70 Sandwich Immunoassay

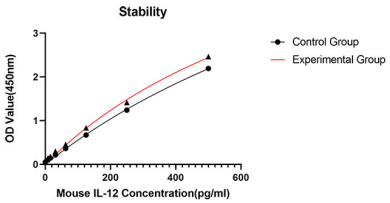
		Recommended Concentration	Sample
ELISA	Capture	2-8 μg/mL	Rabbit anti-Mouse IL-12 p70 mAb (Cat. No. RM17756)
	Detection	0.05-0.2 μg/mL	Rabbit anti-Mouse IL-12 p70 mAb (Cat. No. RM17757)
	Standard	7.82-500 pg/mL	Recombinant Mouse IL-12 Protein(Cat. No. RP01691)

Multiplex	Capture	3-20 μg/mL	Rabbit anti-Mouse IL-12 p70 mAb (Cat. No. RM17756)
	Detection	0.017-2 μg/mL	Rabbit anti-Mouse IL-12 p70 mAb (Cat. No. RM17757)
	Standard	6.86-5000pg/mL	Recombinant Mouse IL-12 Protein(Cat. No. RP01691)

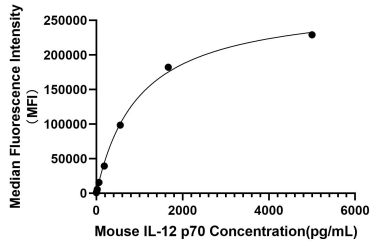
Validation Data



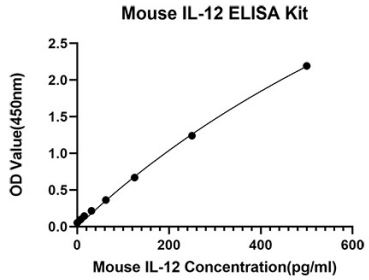
Fromthe comparison of the standard curve, it is found that ABclonal has highsensitivity.



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



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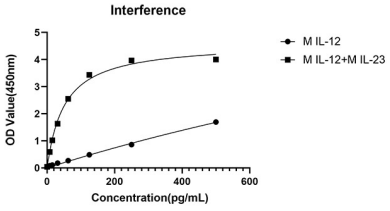

No significant cross-reactivity or interference was observed.