Rabbit anti-Mouse IL-17A mAb (DET)



Catalog No.: RM17905

Basic Information

Catalog No.

RM17905

Catagory

Elisa Antibody Kit

Application

ELISA

Product Information

Ig Type

Rabbit IgG

Purification

Affinity purification

Endotoxin Level

Storage

This antibody can be stored at 2°C-8°C for one monthwithout detectable loss of activity. Antibody products are stable for twelve months fromdate of receipt when stored at -20°C to -80°C.

 $Preservative \verb||| 0.05\% ProClin 300.$

Avoid repeated freeze-thaw cycles.

Formulation

Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

Contact

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Background

Mouse IL-17A is an approximately 40 kDa, secreted, disulfide-linked heterodimeric glycoprotein comprised of two members of the IL-17 family of cytokines, IL-17A and IL-17F . Members of this family demonstrate a structural motif termed a cysteine knot that also characterizes a large superfamily of growth factors. Although most cysteine knot superfamily members use three intrachain disulfide bonds to create a knot, IL-17 family molecules generate the same structural form with only two disulfide links . Mouse IL-17A is synthesized as a 158 amino acid (aa) precursor that contains a 25 aa signal sequence and a 133 aa mature chain. The mature chain contains one potential site for N-linked glycosylation. Mouse IL-17F is synthesized as a 161 aa precursor with a 29 aa signal sequence and a 132 aa mature chain. Like IL-17A, the mature chain of IL-17F contains one potential site for N-linked glycosylation. IL-17A and IL-17F share 50% aa sequence homology and are syntenic, both located at the A4 region of mouse chromosome 1. Mouse IL-17A and IL-1...

Immunogen Information

Immunogen

Recombinant Mouse IL-17A protein

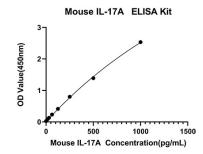
Cross-Reactivity

No cross-reactivity in ELISA assay withrecombinant Mouse. GM-CSF ,Mouse IL-1a,Mouse IL-1a,Mouse IL-2,Mouse IL-4,Mouse IL-5,Mouse IL-6,Mouse IL-9 \square Mouse IL-10 \square Mouse IL-12 \square Mouse Leptin \square Mouse TNF- α \square Mouse IL-18 \square Human IL-17

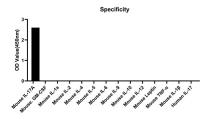
Assay Applications

Mouse IL-17A Sandwich ELISA Immunoassay

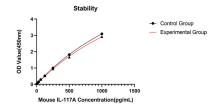
	Recommended Concentration	Sample
ELISA Capture	0.25-1ug/mL	Rabbit anti-Mouse IL-17A (CAP)(Cat. No.RM17904)
ELISA Detection	0.0025-0.01ug/mL	Rabbit anti-Mouse IL-17A (DET)(Cat. No.RM17905)
Standard	15.63-1000pg/mL	Recombinant Mouse IL-17A Protein



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



No significant cross-reactivity or interference was observed.



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