Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human IL-17A mAb

Catalog No.: RMK0573

Basic Information

Catalog No.
RMK0573

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

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

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Background

This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammat...

Immunogen Information

Immunogen
Recombinant human IL-17A protein

Cross-Reactivity

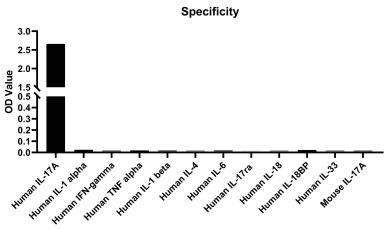
Cross-reactivity results are shown in the figure

Assay Applications

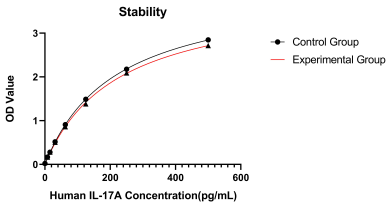
Human IL-17A Sandwich Immunoassay

		Recommended Concentration	Sample
ELISA	Capture	1-4 μg/mL	Rabbit anti-Human IL-17A mAb (Cat. No. RMK0572)
	Detection	0.008-0.034 μg/mL	Rabbit anti-Human IL-17A mAb (Cat. No. RMK0573)
	Standard	7.81-500 pg/mL	Recombinant Human IL-17A/CTLA-8 Protein (Cat. No. RP00212)

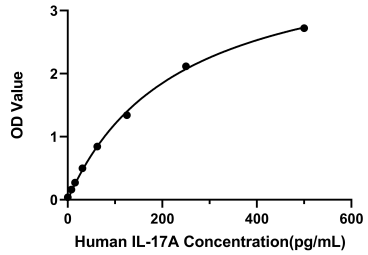
Validation Data



No significant cross-reactivity or interference was observed.



Placed at 37°C for 7 days, the stability of the standard curve all conform to CV <10%.



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