Mouse IL-22 Antibody Pair Set

Catalog No. E-KAB-0575 **Applications** ELISA
Synonyms IL22;IL-D110;IL-TIF;ILTIF;TIFIL-23;TIFa;zcyto18

Kit components & Storage

Title	Specifications	Storage
Mouse IL-22 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse IL-22 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0575)	
		Mouse IL-22 Capture Antibody	Mouse IL-22 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-22 protien	Recombinant Mouse IL-22 protien
	Swissprot	Q9JJY9	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse IL-22 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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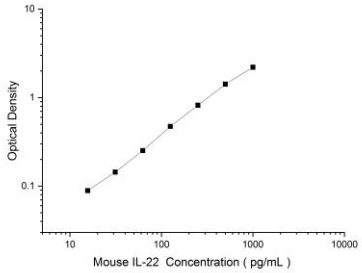
Applications

Mouse IL-22 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Mouse IL-22 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse IL-22 Detection Antibody (Biotin)	

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

Background

Cytokine that plays a critical role in modulating tissue responses during inflammation.Plays an essential role in the regeneration of epithelial cells to maintain barrier function after injury and for the prevention of further tissue damage.Unlike most of the cytokines , has no effect on immune cells. Signals through a heterodimeric receptor composed of two subunits , the specific receptor IL22RA1 which is present on non-immune cells in many organs and the shared subunit IL10RB. Ligation of IL22RA1 with IL22 induces activation of the tyrosine kinases JAK1 and TYK2 , which in turn activates STAT3. In turn , promotes cell survival and proliferation through STAT3 , ERK1/2 and PI3K/AKT pathways. Promotes phosphorylation of GSK3B at 'Ser-9' and CTTN.

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