

Mouse RANTES Antibody Pair Set

Catalog No.	E-KAB-0289	Applications	ELISA
Synonyms	CCL5, SCYA5, SISd, TCP228, D17S136E		

Kit components & Storage

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

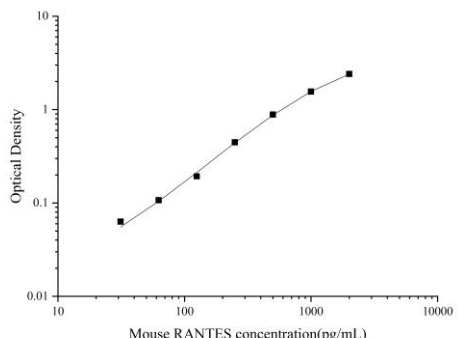
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0289)	
		Mouse RANTES Capture Antibody	Mouse RANTES Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse RANTES protein	Recombinant Mouse RANTES protein
	Swissprot	P30882	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse RANTES in ELISAs.	

Applications

Mouse RANTES Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Mouse RANTES Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse RANTES concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Mouse RANTES concentration) ranges from 10 to 10000. Six data points are plotted, showing a clear upward trend that appears linear on this scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse RANTES concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>0.06</td> </tr> <tr> <td>50</td> <td>0.10</td> </tr> <tr> <td>100</td> <td>0.18</td> </tr> <tr> <td>200</td> <td>0.32</td> </tr> <tr> <td>500</td> <td>0.65</td> </tr> <tr> <td>1000</td> <td>1.10</td> </tr> </tbody> </table>	Mouse RANTES concentration (pg/mL)	Optical Density	30	0.06	50	0.10	100	0.18	200	0.32	500	0.65	1000	1.10
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ELISA Detection	1:1000-1:10000	Mouse RANTES Detection Antibody (Biotin)															

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

Background

CCL5, also known as RANTES, belongs to the CC chemokine family. It is strongly expressed in the human and murine liver upon injury. CCL5 has been found to be produced by numerous cell types, including platelets, macrophages, endothelial, and stellate cells. CCL5 recruits T cells, dendritic cells, eosinophils, NK cells, mast cells, and basophils to sites of inflammation by interacting with 3 specific G protein-coupled receptors: CCR1, CCR3, and CCR5. While CCL5 may promote efficient anti-tumour immune responses, it has also been associated with cancer progression and metastasis.