

Rat JAG1 Antibody Pair Set

Catalog No. E-KAB-0635

Applications

ELISA

Synonyms CD339;JAG1;Jagged1

Kit components & Storage

Title	Specifications	Storage
Rat JAG1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Rat JAG1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

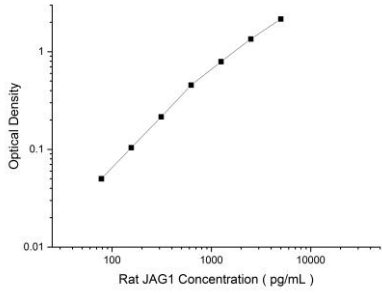
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0635)	
		Rat JAG1 Capture Antibody	Rat JAG1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat JAG1 protien	Recombinant Rat JAG1 protien
	Swissprot	Q63722	
Product details	Reactivity	Rat	Rat
	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 Rat JAG1 in ELISAs.	

Applications

Rat JAG1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Rat JAG1 Capture Antibody	 <p>The graph displays a standard curve for the Rat JAG1 Sandwich ELISA Assay. The x-axis represents Rat JAG1 Concentration in pg/mL on a logarithmic scale, ranging from 100 to 10,000. The y-axis represents Optical Density on a logarithmic scale, ranging from 0.01 to 1. The data points show a clear positive linear relationship, indicating that as the concentration of Rat JAG1 increases, the optical density also increases proportionally.</p>
ELISA Detection	1:1000-1:10000	Rat JAG1 Detection Antibody (Biotin)	

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

Background

The jagged 1 protein encoded by JAG1 is the human homolog of the *Drosophila* jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the *Drosophila* jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.