

## Rat IgG2b Antibody Pair Set

**Catalog No.** E-KAB-0631

**Applications**

ELISA

**Synonyms** IgG2b

### Kit components & Storage

Title	Specifications	Storage
Rat IgG2b Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Rat IgG2b 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.

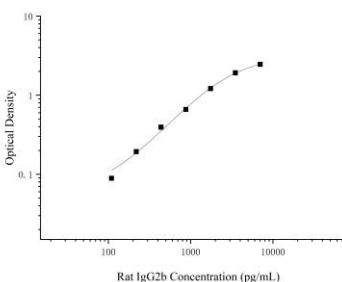
### Product Information

Items		Characteristic (E-KAB-0631)	
		Rat IgG2b Capture Antibody	Rat IgG2b Detection Antibody (Biotin)
Immunogen Information	Immunogen	Natural Rat IgG2b protien	Natural Rat IgG2b protien
	Swissprot	/	
Product details	Reactivity	Rat	Rat
	Host	Mouse	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	Protein A or G	Antigen Affinity
	Specificity	Detects Rat IgG2b in ELISAs.	

### For Research Use Only

## Applications

### Rat IgG2b Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Rat IgG2b Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat IgG2b Detection Antibody (Biotin)	

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

## Background

There are four IgG subclasses (IgG1, 2, 3 and 4) in Humans, named in order of their abundance in serum (IgG1 being the most abundant). IgG2 is the only IgG subclass which passes through the placenta at a level generally lower than that found in the mother. A deficiency of IgG2 indicates a poor antibody response to bacterial polysaccharides and can lead to increased susceptibility to infections caused by encapsulated bacteria.