

## Mouse BAFF/CD257 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0594	<b>Applications</b>	ELISA
<b>Synonyms</b>	TNFSF13B;BLYS;TALL1;THANK;TNFSF20;ZTNF4		

### Kit components & Storage

Title	Specifications	Storage
Mouse BAFF/CD257 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse BAFF/CD257 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-0594)	
		Mouse BAFF/CD257 Capture Antibody	Mouse BAFF/CD257 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse BAFF/CD257 protien	Recombinant Mouse BAFF/CD257 protien
	Swissprot	Q9WU72	
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 BAFF/CD257 in ELISAs.	

## Applications

Mouse BAFF/CD257 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Mouse BAFF/CD257 Capture Antibody	<table border="1"> <caption>Approximate data points from the standard curve graph</caption> <thead> <tr> <th>Mouse BAFF/CD257 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>20</td> <td>0.1</td> </tr> <tr> <td>50</td> <td>0.2</td> </tr> <tr> <td>100</td> <td>0.4</td> </tr> <tr> <td>200</td> <td>0.8</td> </tr> <tr> <td>500</td> <td>1.5</td> </tr> <tr> <td>1000</td> <td>3.0</td> </tr> </tbody> </table>	Mouse BAFF/CD257 Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	3.0
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ELISA Detection	1:1000-1:10000	Mouse BAFF/CD257 Detection Antibody (Biotin)																	

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

## Background

B cell-activating factor (BAFF) enhances B-cell survival *in vitro* and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival.