

## Product datasheet for **PM1200P**

### **BAFF (TNFSF13B) Mouse Monoclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	<b>Sandwich ELISA:</b> In a Sandwich ELISA (assuming 100 µl/well), a concentration of 5.0-6.0 µg/ml of this antibody will detect at least 1000 pg/ml of recombinant Human BAFF when used in conjunction with Biotinylated antigen affinity purified anti-Human BAFF (Cat.-No PP1203B1 or PP1203B1) as the detection antibody at a concentration of at least 0.25-0.50 µg/ml. <b>Western Blot:</b> To detect Human BAFF by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human BAFF is 1.0-2.0 ng/lane, under reducing or non-reducing conditions.
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Highly pure (98%) E.coli derived Recombinant Human BAFF (Cat.-No PA180)
<b>Specificity:</b>	This antibody recognizes Human BAFF. Other species not tested.
<b>Formulation:</b>	PBS without preservatives State: Azide Free State: Lyophilized (sterile filtered) purified IgG fraction
<b>Reconstitution Method:</b>	Restore in sterile water to a concentration of 1.0 mg/ml.
<b>Concentration:</b>	1.0 mg/ml (after reconstitution)
<b>Purification:</b>	Affinity Chromatography Protein G
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	The lyophilized antibody is stable at RT for up to 1 month. Following reconstitution store at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.



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**Gene Name:** tumor necrosis factor superfamily member 13b

**Database Link:** [Entrez Gene 10673 Human Q9Y275](#)

**Background:** Members of the TNF superfamily regulate immune responses and induce apoptosis. A novel member in the TNF family was recently identified by several groups and designated BAFF (for B cell Activating Factor belonging to the TNF Family), BLYS (for B Lymphocyte Stimulator), TALL1 (for TNF- and ApoL- related Leukocyte-expressed Ligand), and THANK (for TNF Homologue that Activate Apoptosis, NFkB and c-jun N-terminal Kinase). BAFF/BLYS was characterized as a B cell stimulator since it induced B cell proliferation and immunoglobulin secretion. Two receptors for BAFF were recently identified and designated TACI and BCMA. BAFF also signals through a third TNF receptor BAFFR/BR3. BAFF and its receptors are involved in the development of systemic lupus erythaematosus and other B cell associated autoimmune diseases. Like TNFa and TRAIL, THANK was shown to activate NF-kB and c-jun N terminal kinase (JNK) and to induce apoptosis. The human BAFF gene codes for a 285 amino acid type II transmembrane protein containing a 46 amino acid cytoplasmic domain, a 21 amino acid transmembrane domain, and a 218 amino acid extracellular domain.

**Synonyms:** TNFSF13B, BLYS, TALL1, TNFSF20, ZTNF4

### Product images:

