

Product Data Sheet

Biotin anti-human CD257 (BAFF, BLYS)

Catalog # / Size: 318604 / 100 µg

Clone: T7-241

Isotype: Mouse IgG1, κ

Immunogen: recombinant human BAFF(TL7) protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: The T7-241 antibody recognizes human BAFF also known as B cell activating factor, tumor necrosis factor ligand superfamily 13B, B lymphocyte stimulator (BLYS), TNF and APOL-related leukocyte expressed ligand 1 (TALL1), and TNF homolog that activates apoptosis, NF-κB, and JNK (THANK). BAFF is a type II transmembrane protein, and a member of the tumor necrosis factor ligand superfamily. BAFF can be proteolytically cleaved to form a soluble protein. BAFF, like other TNF ligand family members, forms homotrimers. The predicted molecular weight of a BAFF monomer is approximately 31 kD. BAFF is expressed on peripheral blood B and T lymphocytes, monocytes, macrophages, and dendritic cells and is upregulated by IFN-γ and downregulated by PMA/ionomycin treatment. The T7-241 antibody has been shown to be useful for flow cytometry and ELISA. BAFF stimulates B and T cell immunity and regulates humoral immunity by binding TACI and BCMA receptors; BAFF prevents apoptosis and promotes B cell survival by binding the BAFF-specific receptor (BAFFR/BR3). The T7-241 antibody has been shown to be useful for flow cytometry and ELISA.

Antigen References:

1. Schneider P, *et al.* 1999. *J. Exp. Med.* 189:1747.
2. Moore PA, *et al.* 1999. *Science* 285:260.
3. Shu HB, *et al.* 1999. *J. Leuko. Biol.* 65:680.
4. Yu G, *et al.* 2000. *Nat. Immunol.* 1:252.
5. Oren DA, *et al.* 2002. *Nat. Struct. Biol.* 9:288.

Related Products:	Product	Clone	Application
	Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	APC Streptavidin		FC, ICFC
	PE Streptavidin		FC, ICFC
	PE/Cy5 Streptavidin		FC, ICFC
	PE/Cy7 Streptavidin		FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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