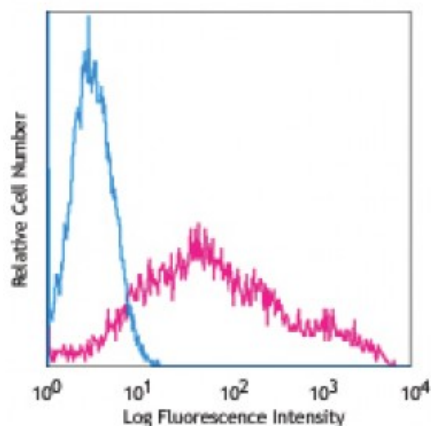


**PE anti-human CD257 (BAFF, BLYS)**

<b>Catalog # / Size:</b>	2193030 / 100 tests 2193025 / 25 tests
<b>Clone:</b>	T7-241
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Immunogen:</b>	recombinant human BAFF(TL7) protein
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Concentration:</b>	Lot-specific

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. <b>Test size products are transitioning from 20 microL to 5 microL per test.</b> Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. 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- $\kappa$ B, 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- $\gamma$  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.