



Human BAFF

Research grade

5 µg
20 µg

130-093-806
130-093-807

Description:

Human B cell activating factor (BAFF) belonging to the TNF family is a recently discovered ligand of the TNF family. BAFF plays an important role as costimulator of B and T cell proliferation and function. It signals through three different TNF receptors (TACI; BCMA; BAFF-R). Human BAFF is a soluble 17.0 kDa protein containing 153 amino acid residues, which contains the TNF-like portion of the extracellular domain of BAFF.

Source:	<i>E. coli</i>
Molecular mass:	17 kDa
Specific activity:	≥1×10 ⁵ U/mg
Endotoxin level:	<0.1 ng/µg (1 EU/µg)
Purity:	>95% (SDS-PAGE, HPLC)
Buffer:	None
Stabilizer:	Mannitol, HSA
Product format:	Sterile filtered, lyophilized

Biological activity:

Determined by the dose-dependent stimulation of IL-8 production by human PBMCs. The ED₅₀ for this effect is ≥10 ng/mL. Please note: Results may vary with PBMC donors.

Reconstitution:

We recommend a quick spin followed by reconstitution in deionized sterile-filtered water to a concentration of 0.1–1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or –20 °C for future use. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at –20 °C. Reconstituted Human BAFF should be stored in working aliquots at –20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at www.miltenyibiotec.com.

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