

Datasheet for ABIN7661120  
**anti-BAFF antibody (CF®740)**



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## Overview

|              |                                            |
|--------------|--------------------------------------------|
| Quantity:    | 100 µL                                     |
| Target:      | BAFF (TNFSF13B)                            |
| Reactivity:  | Human                                      |
| Host:        | Mouse                                      |
| Clonality:   | Monoclonal                                 |
| Conjugate:   | This BAFF antibody is conjugated to CF®740 |
| Application: | Please inquire                             |

## Product Details

|            |                                                      |
|------------|------------------------------------------------------|
| Purpose:   | CD257 / BAFF / TNFSF13B (C257/1638), CF740 conjugate |
| Immunogen: | Purified recombinant human full-length CD257 protein |
| Clone:     | C257-1638                                            |
| Isotype:   | IgG1                                                 |

**Characteristics:** BAFF/CD257 is a type II transmembrane protein, and a member of the tumor necrosis factor ligand superfamily. It is proteolytically cleaved to form a soluble protein. BAFF, like other TNF ligand family members, forms homo-trimers. The predicted molecular weight of a BAFF monomer is approximately 31 kDa. It is expressed on peripheral blood B and T lymphocytes, monocytes, macrophages, and dendritic cells and is upregulated by IFN-gamma and down-regulated by PMA/ionomycin treatment. 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). Primary

## Product Details

antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | BAFF (TNFSF13B)                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Name: | BAFF                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | Synonyms: ApoL related ligand TALL 1, B lymphocyte stimulator, B-cell-activating factor, BAFF, BLyS, CD257, Dendritic cell-derived TNF-like molecule, DTL, PRO738, TALL-1, THANK, TNFSF13B, TNFSF20, Tumor necrosis factor ligand superfamily member 13b, Tumor necrosis factor ligand superfamily member 20, ZTNF4<br>Gene Symbol: TNFSF13B<br>Tissue Expression: B-cells Dendritic cells Monocytes/macrophages T-cells |
| Molecular Weight: | 31 kDa (Monomer)                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID:          | 10673                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">Q9Y275</a>                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>                                                                                                                                                                                                                                                                                                                |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry |
| Comment:           | Positive Control: Jurkat cells. Tonsil and lymph node                                                                                                                                                                                                                                                                                                                                                                                 |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

## Handling

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 0.1 mg/mL                                                                                                                            |
| Buffer:            | PBS, 0.1 % rBSA, 0.05 % azide                                                                                                        |
| Preservative:      | Sodium azide                                                                                                                         |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.               |
| Handling Advice:   | Protect from light                                                                                                                   |
| Storage:           | 4 °C                                                                                                                                 |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:       | 24 months                                                                                                                            |