

Datasheet for ABIN6158279  
**anti-BAFF antibody (CF®405S)**



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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®405S    |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF) |

## Product Details

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Purpose:   | Mouse Monoclonal anti-CD257 / BAFF / TNFSF13B (C257/1638), CF405S 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 antibodies are available

## Product Details

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: | CD257 / BAFF / TNFSF13B ( <a href="#">TNFSF13B Products</a> )                                             |
| Molecular Weight: | 31 kDa (Monomer)                                                                                          |
| Gene ID:          | 10673, 525157                                                                                             |
| 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: | Immunofluorescence 1-2 µg/mL <ul style="list-style-type: none"><li>Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | Jurkat cells. Tonsil and lymph node                                                                                                                                                                        |
| Restrictions:      | For Research Use only                                                                                                                                                                                      |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 100 µg/mL                                                                                                              |
| Buffer:            | PBS/0.1 % BSA/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                                                                                                     |