

Anti-CD257 / BAFF / TNFSF13B Antibody
Mouse Monoclonal Antibody
Catalog # AH13091**Specification**

Anti-CD257 / BAFF / TNFSF13B Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IF, FC |
| Primary Accession | O9Y275 |
| Other Accession | 525157 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | Mouse / IgG1 |
| Calculated MW | 31223 |

Anti-CD257 / BAFF / TNFSF13B Antibody - Additional Information**Gene ID** 10673**Other Names**

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

Application Note

IF~~1:50~200<br \>FC~~1:10~50

Format

200ug/ml of Ab purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-CD257 / BAFF / TNFSF13B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CD257 / BAFF / TNFSF13B Antibody - Protein Information**Name** TNFSF13B**Synonyms** BAFF, BLYS, TALL1, TNFSF20, ZTNF4**Function**

Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2

receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T- cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B- cells and the B-cell response.

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver, thymus, and pancreas. Isoform 2 is expressed in many myeloid cell lines

Anti-CD257 / BAFF / TNFSF13B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD257 / BAFF / TNFSF13B Antibody - Images**Anti-CD257 / BAFF / TNFSF13B Antibody - Background**

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 31kDa. It is expressed on peripheral blood B and T lymphocytes, monocytes, macrophages, and dendritic cells and is upregulated by IFN- γ 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).