

# TNFSF13B

Purified Mouse Monoclonal Antibody

Catalog # AO2551a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">Q9Y275</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	6C3A2
<b>Isotype</b>	Mouse IgG1
<b>Calculated MW</b>	31223
<b>Immunogen</b>	Purified recombinant fragment of human TNFSF13B (AA: 116-278) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	10673
<b>Other Names</b>	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	TNFSF13B is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	TNFSF13B
<b>Synonyms</b>	BAFF, BLYS, TALL1, TNFSF20, ZTNF4
<b>Function</b>	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.
<b>Cellular Location</b>	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

**References**

1.PLoS One. 2015 Nov 23;10(11):e0143393.2.Biomed Res Int. 2015;2015:792187.

**Images**

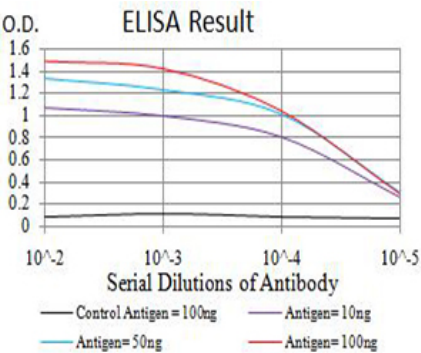


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

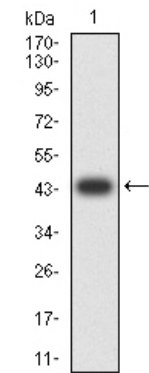


Figure 2:Western blot analysis using TNFSF13B mAb against human TNFSF13B (AA: 116-278) recombinant protein. (Expected MW is 44.1 kDa)

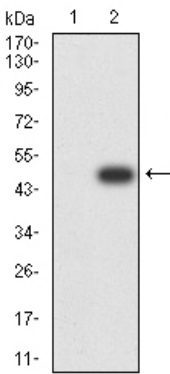


Figure 3:Western blot analysis using TNFSF13B mAb against HEK293 (1) and TNFSF13B (AA: 116-278)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using TNFSF13B mouse mAb against SK-N-SH (1) and MOLT4 (2) cell lysate.

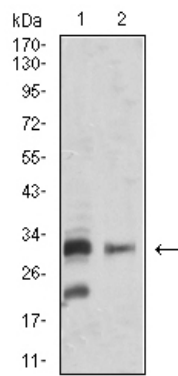


Figure 6:Flow cytometric analysis of HeLa cells using TNFSF13B mouse mAb (green) and negative control (red).

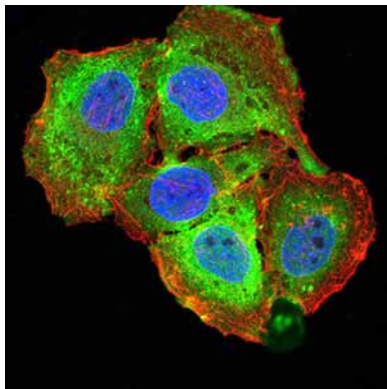
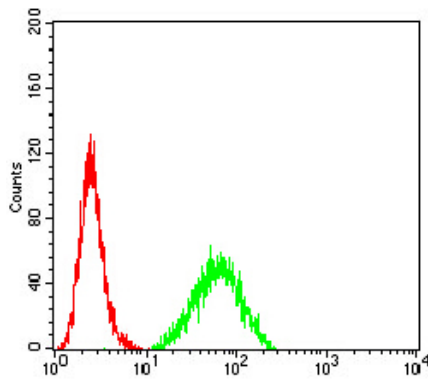


Figure 5:Immunofluorescence analysis of SMMC-7721 cells using TNFSF13B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.