

TNFSF13B
Purified Mouse Monoclonal Antibody
Catalog # AO2551a

Specification

TNFSF13B - Product Information

Application	E, WB, ICC
Primary Accession	O9Y275
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	31.2kDa KDa

Immunogen

Purified recombinant fragment of human TNFSF13B (AA: 116-278) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

TNFSF13B - Additional Information

Gene ID 10673

Other Names

DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
ICC~~ 1/100 - 1/500

Storage

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.

Precautions

TNFSF13B is for research use only and not for use in diagnostic or therapeutic procedures.

TNFSF13B - 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

TNFSF13B - 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](#)

TNFSF13B - Images

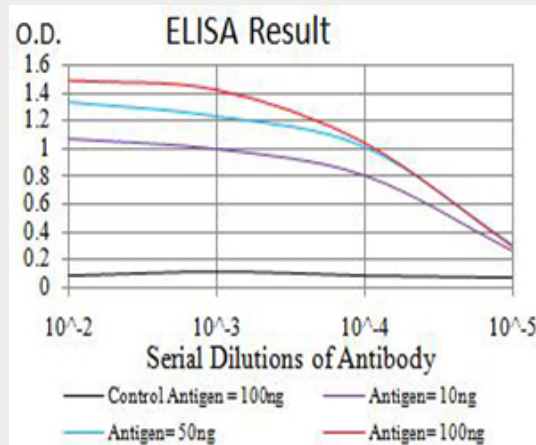


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

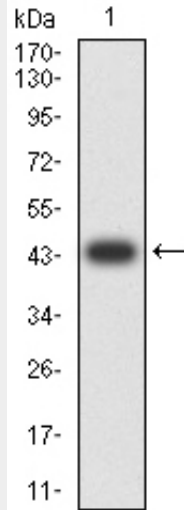


Figure 2:Western blot analysis using TNFSF13B mAb against human TNFSF13B (AA: 116-278) recombinant protein. (Expected MW is 44.1 kDa)

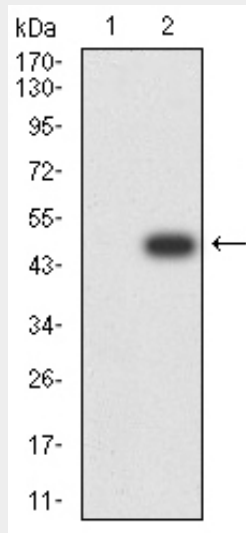


Figure 3:Western blot analysis using TNFSF13B mAb against HEK293 (1) and TNFSF13B (AA: 116-278)-hlgGfc transfected HEK293 (2) cell lysate.

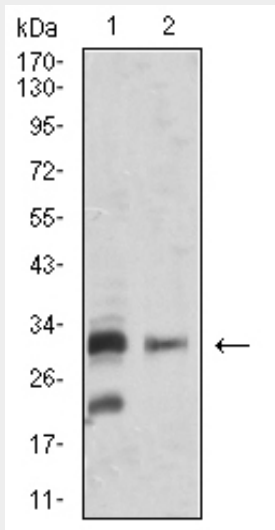


Figure 4:Western blot analysis using TNFSF13B mouse mAb against SK-N-SH (1) and MOLT4 (2) cell lysate.

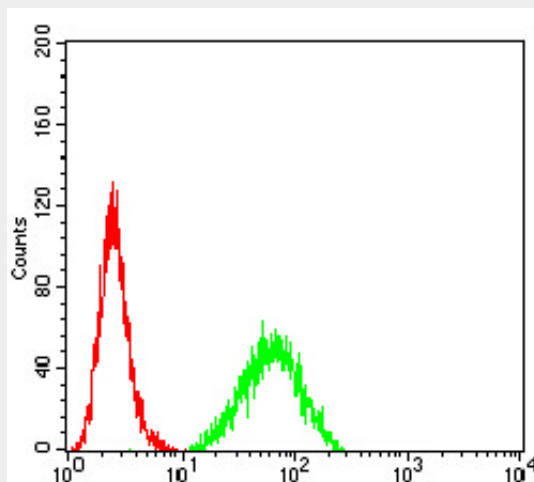


Figure 6:Flow cytometric analysis of HeLa cells using TNFSF13B mouse mAb (green) and negative control (red).

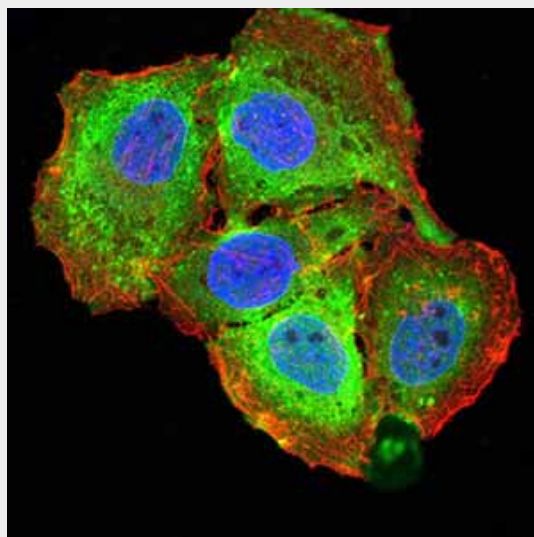


Figure 5:Immunofluorescence analysis of SMMC-7721 cells using TNFSF13B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

TNFSF13B - References

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