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TNFSF13B

Purified Mouse Monoclonal Antibody
Catalog # AO2551a

Product Information

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

Additional Information

Gene ID	10673
Other Names	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
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.

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

References

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

Images

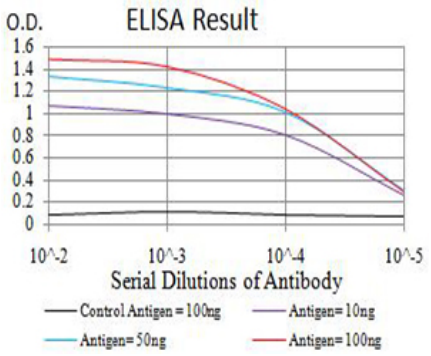


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

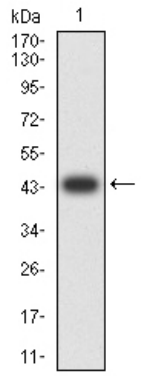


Figure 2:Western blot analysis using TNFSF13B mAb against human TNFSF13B (AA: 116-278) recombinant protein. (Expected MW is 44.1 kDa)

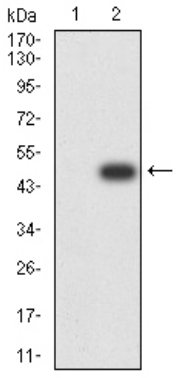
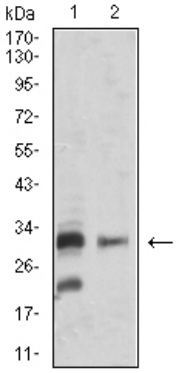


Figure 3:Western blot analysis using TNFSF13B mAb against HEK293 (1) and TNFSF13B (AA: 116-278)-hIgGFc transfected HEK293 (2) cell lysate.

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



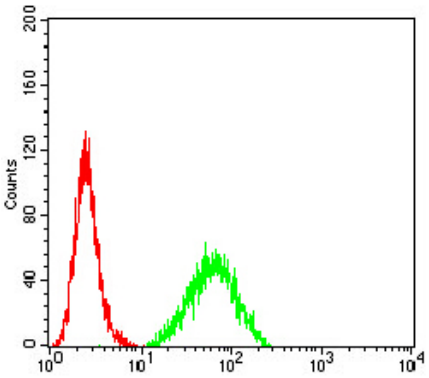


Figure 6:Flow cytometric analysis of HeLa cells using TNFSF13B mouse mAb (green) and negative control (red).

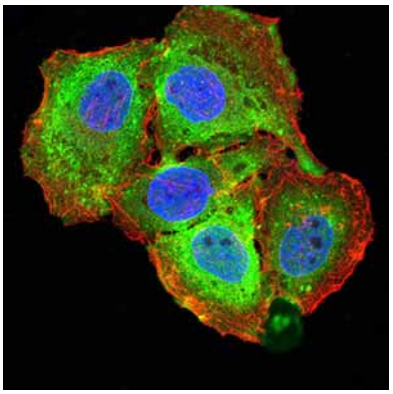


Figure 5:Immunofluorescence analysis of SMMC-7721 cells using TNFSF13B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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