Recombinant BLyS/TNFSF13B/BAFF Monoclonal Antibody

catalog number: AN300173P

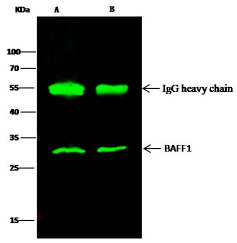
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human BLyS / TNFSF13B / BAFF protein
Host	Rabbit
Isotype	IgG
Clone	A1287
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	1-4 μL/mg of lysate

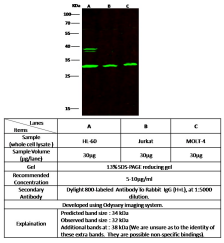
Data



Immunoprecipitation analysis using 2 μL anti-BAFF Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using BAFF Monoclonal Antibody at a dilution of 1:200. Lane A:0.5 mg Hela Whole Cell Lysate, Lane B:0.5 mg Jurkat Whole Cell Lysate

Observed-MW:31 kDa

Calculated-MW:31 kDa



Lanes / Items	A	B	C
Sample (whole cell lysate)	HL-60	Jurkat	MOLT-4
Sample Volume (μg/Lane)	30μg	30μg	30μg
Gel	12% SDS-PAGE reducing gel		
Recommended Concentration	5-10μg/ml		
Secondary Antibody	Dylight 800 Labeled Antibody to Rabbit IgG (H+L), at 1:5000 dilution.		
Explanation	Developed using Odyssey imaging system. Predicted band size : 34 kDa Observed band size : 32 kDa Additional bands at : 38 kDa (We are unsure as to the identity of these extra bands. They are possible non-specific bindings).		

Western Blot with BLyS / TNFSF13B / BAFF Monoclonal Antibody at dilution of 1:500. Lane A: HL-60 Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: MOLT-4 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:31 kDa

Calculated-MW:31 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
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BAFF, a member of the TNF superfamily of proteins, is a homotrimeric transmembrane protein, which is cleaved to produce a soluble cytokine. BAFF may also further oligomerize into 60-mer structures. BAFF is expressed by monocytes, neutrophils, macrophages, dendritic cells, activated T cells, and epithelial cells. BAFF plays a key role in B cell development, survival, and activation. BAFF binds to three distinct receptors, BAFF-R, TACI, and BCMA. These receptors are differentially expressed during B cell development and among B cell subsets. While BAFF-R and BCMA bind to the homotrimeric form of BAFF, TACI only binds to membrane bound or higher order BAFF structures. The BAFF/ BAFF-R interaction activates both canonical and non-canonical NF-κB pathways, PI3K/Akt, and mTOR. Activation of the noncanonical NF-κB pathway via BAFF-R is negatively regulated by TRAF3. Research studies have shown that elevated levels of BAFF may exacerbate many autoimmune disorders, making it a potential therapeutic target.

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