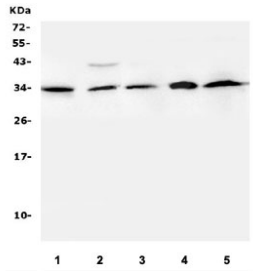
BLyS Antibody / BAFF (RQ5555)

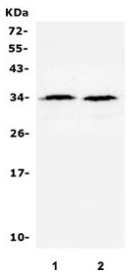
Catalog No.	Formulation	Size
RQ5555	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

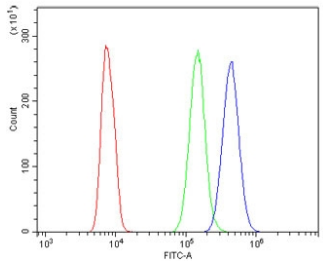
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y275
Applications	Western blot: 0.25-0.5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This BLyS antibody is available for research use only.



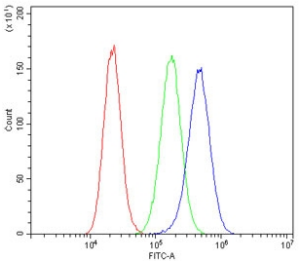
Western blot testing of human 1) U-937, 2) Caco-2, 3) PANC-1, 4) CCRF-CEM, 5) MDA-MB-231 lysate with BLyS antibody. Predicted molecular weight ~34 kDa.



Western blot testing of 1) rat testis and 2) mouse testis lysate with BLyS antibody. Predicted molecular weight ~34 kDa.



Flow cytometry testing of human HL60 cells with BLyS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= BLyS antibody.



Flow cytometry testing of human U-87 MG cells with BLyS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= BLyS antibody.

Description

BLyS / BAFF was regularly detected by enzyme-linked immunosorbent assay in brain tissue lysates and in normal spinal fluid, and in astrocytes by double fluorescence microscopy. BAFF was localized in astrocytes close to BAFF-R-expressing immune cells. BAFF receptors were strongly expressed in situ in primary central nervous system (CNS) lymphomas. The TNF superfamily member B cell-activating factor (BAFF) plays an important role in humoral immunity and in autoimmune diseases, including RA. Local BAFF gene targeting inhibited proinflammatory cytokine expression, suppressed generation of plasma cells and Th17 cells, and markedly ameliorated joint pathology. The B cell activating factor BAFF (BlyS/TALL-1/zTNF4) is a tumor necrosis factor (TNF)-related ligand that promotes B cell survival and binds to three receptors (BCMA, TACI, and the recently described BAFF-R).

Application Notes

Optimal dilution of the BLyS antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids A134-T277) was used as the immunogen for the BLyS antibody.

Storage

After reconstitution, the BLyS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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