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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CD257 (BAFF) [5B7] Standard Size Ab03782-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 5B7

Alternative Name(s) of Target: BLyS; TNFSF13B; TALL-1; TNFSF20; ZTNF4; Tumor necrosis factor ligand superfamily member 13B; B lymphocyte stimulator; B-cell-activating factor; Dendritic cell-derived TNF-like molecule; TNF and APOL-related leukocyte expressed ligand 1

UniProt Accession Number of Target Protein: Q9Y275

Published Application(s): Block, FC

Published Species Reactivity: Human, Cynomolgus Monkey, Mouse

Immunogen: The original antibody was isolated from a naïve human scFv phage library using multiple panning strategies including solid-phase panning with immobilized CD47 and solution-phase panning using biotinylated CD47.

Specificity: This antibody binds human BAFF protein and cross reacts with mouse and cynomolgus monkey BAFF protein. B-cell-activating factor (BAFF/CD257) is a cytokine belonging to the tumour-necrosis factor (TNF) family. This cytokine binds to TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFF-R. BAFF is a survival factor for B cells that controls B-cell maturation. It is also involved in the stimulation of B- and T-cell function and the regulation of humoral immunity.

Application Notes: This antibody is capable of reacting with both soluble and membrane bound human, mouse and cynomolgus monkey BAFF/ BLyS protein. The binding ability of this antibody to membrane bound CHO-human BLyS, HEK293-mouse BLyS and CHO-cynomolgus monkey BLyS protein was determined using flow cytometry. This antibody is capable of blocking the interaction between human BAFF and BR3. This antibody was also capable of neutralizing BLyS-mediated B-cell proliferation. The binding affinity characterization of this antibody was done using SPR. It was reported that the original IgG antibody binds human and mouse BLyS with a binding affinity of $K_d = 4 \times 10^{-10}$ M and $K_d = 1.45 \times 10^{-11}$ M respectively (US20170101466).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.