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12-8030: Anti-Human CD257 (BAFF) (Tabalumab)

Clonality :	Monoclonal
Clone Name :	Tabalumab
Application :	ELISA
Alternative Name :	DTL; BLYS; TALL1; THANK; ZTNF4; TALL-1; TNLG7A; TNFSF20; TNFSF13B
Isotype :	Human IgG1k
Immunogen Information :	Original antibody was raised against soluble human BAFF.

Description

Expression Host : HEK-293
Pathogen Testing : To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of this recombinant biosimilar antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.
This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Tabalumab. Tabalumab neutralizes soluble human, cynomolgus monkey, and rabbit BAFF. Additionally, Tabalumab neutralizes membrane-bound BAFF. This product is for research use only.
Tabalumab is a human monoclonal anti-B-cell activating factor (BAFF) antibody intended for the treatment of autoimmune diseases and B cell malignancies.1 BAFF is a membrane-bound, type II transmembrane protein that belongs to the tumor necrosis factor (TNF) ligand family and is the ligand for BR3, TACI, and BCMA. BAFF is an immunostimulant necessary for maintaining normal immunity. This cytokine has also been shown to play an important role in the proliferation and differentiation of B cells. An inadequate level of BAFF leads to immunodeficiency whilst an elevated level of BAFF causes unusually high antibody production that results in the development of autoimmune diseases such as systemic lupus erythematosus and rheumatoid arthritis. Additionally, BAFF has been found in renal transplant biopsies with acute rejection.2 Furthermore, BAFF may be a mediator of food-related inflammation, and is associated with multiple dietary ailments including celiac disease, insulin resistance, diabetes, and obesity.3 Interestingly, it is suspected that BAFF may be involved in non-IgE-mediated reactions because there is no known correlation between BAFF and IgE.4 More research is needed to unlock the enormous therapeutic potential for BAFF antagonists. This cost-effective, research-grade Anti-Human CD257 (BAFF) (Tabalumab) utilizes the same variable regions from the therapeutic antibody Tabalumab making it ideal for research projects.

Product Info

Amount :	50 µg / 100 µg
Purification :	>=95% monomer by analytical SEC
Content :	Concentration : >= 5.0 mg/ml This biosimilar antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	Functional grade biosimilar antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Application Note

Endotoxin : <= 1.0 EU/mg as determined by the LAL method
The suggested concentration for Tabalumab biosimilar antibody for staining cells in flow cytometry is <= 0.25 µg per 106 cells in a volume of 100 µl. Titration of the reagent is recommended for optimal performance for each application.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.