Anti-BAFFR, AlpHcAbs® Human antibody

Summary

Code	300-522-001
Immunogen	Recombinant human BAFFR
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Human IgG1 Fc(mutation)
Conjugate	Unconjugated
Specificity	Human BAFFR
Cross-Reactivity	Cross-reactivity with cynomolgus BAFFR
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
Storage	Store at –20 °C, (Avoid freeze / thaw cycles), Stable for 12 months at -20°C

Description

Anti-BAFFR, AlpHcAbs® Human antibody is designed for detecting human BAFFR specifically. Anti-BAFFR, AlpHcAbs® Human antibody is recombinant VHH domain of alpaca IgG2b/2c fused to Human IgG1 Fc. Based on ELISA, Anti-BAFFR, AlpHcAbs® Human antibody reacts with human BAFFR, and has reactivity with cynomolgus BAFFR.

Background

Tumor necrosis factor receptor superfamily member 13C (TNFRSF13C), also known as BAFFR, is a protein in humans is encoded by the TNFRSF13C gene. The BAFFR gene is mapped to chromosome 22q13. 1-q13. 31. It has got 184 amino acid transmembrane protein which is 56% identical to the mouse protein. B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. BAFF plays a crucial role in B cell development and can function through receptors other than BAFFR.
Using antibody with Fc(mutation), the background from Fc receptors will be eliminated.

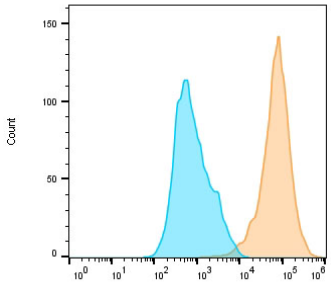
Benefits

High lot-to-lot consistency
Increased sensitivity and higher affinity
Animal-free production

Suggested Working Concentration

ELISA	1:4,000-1:10000
Flow Cytometry	1:200-1:1000

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.



Flow cytometric analysis of BAFFR-overexpressed HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) labeling BAFFR with 300-522-001 at 1:10000 dilution(yellow) compared with Human IgG1-Isotype control(green). Anti-Human IgG(H+L),HcAbs® Goat antibody(FITC)(023-403-006), at 1/1000 dilution was used as the secondary antibody.