



Biotinylated Anti-human FcRH1/IRTA5 Antibody

ORDERING INFORMATION

Catalog Number: BAF2049

Lot Number: KQK01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS
with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human FcRH1

Immunogen: NS0-derived rhFcRH1
(aa 17 - 304)

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Fc Receptor Homolog 1 (rhFcRH1; aa 17 - 304). Human FcRH1 specific IgG was purified by human FcRH1 affinity chromatography and then biotinylated. FcRH1, also known as IRTA5 (immunoglobulin superfamily receptor translocation associated 5), is a type I transmembrane protein having three extracellular Ig-like domains and cytoplasmic ITAM-like motifs. The FcRH subfamily shares sequence homology with the classical receptors for Ig, and the corresponding genes are localized to human chromosome 1q21-23, a hotspot for translocation events involved in B-cell malignancy. FcRH1 is expressed primarily in B cells.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for use as a detection antibody in human FcRH1 western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human FcRH1. The detection limit for rhFcRH1 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 25% cross-reactivity with rhIRTA4 and less than 5% cross-reactivity with rhIRTA1, rhIRTA2 and rhIRTA3.

Optimal dilutions should be determined by each laboratory for each application.