



Biotinylated Anti-human FAM3C Antibody

ORDERING INFORMATION

Catalog Number: BAF3084

Lot Number: XDX01

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 FAM3C

Immunogen: NS0-derived rhFAM3C

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Family with sequence similarity 3, member C (rhFAM3C; aa 25 - 227; Accession # Q92520). Human FAM3C specific IgG was purified by human FAM3C affinity chromatography and then biotinylated. FAM3C, also known as predicted Osteoblast protein, is a secreted 22 kDa glycoprotein belonging to the cytokine-like protein family. Members of this family share a four helix bundle secondary structure similar to that found in many cytokines. FAM3 is ubiquitously expressed in multiple tissues. The amino acid sequence of mature human FAM3C is 94% and 98% identical to that of mouse and canine FAM3C, respectively.

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 FAM3C 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 FAM3C. The detection limit for rhFAM3C is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 50% cross-reactivity with rmFAM3C and 5% cross-reactivity with rhFAM3A, rhFAM3B and rhFAM3D.

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