



Biotinylated Anti-human Ficolin-3 Antibody

ORDERING INFORMATION

Catalog Number: BAF2367

Lot Number: UGL01

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 Ficolin-3

Immunogen: NS0-derived rhFicolin-3 isoform 2

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Ficolin-3 (rhFicolin-3). Human Ficolin-3 specific IgG was purified by human Ficolin-3 affinity chromatography and then biotinylated. Human Ficolin-3 (fibrinogen/collagen-like) is a 35 kDa member of the widely distributed ficolin family of lectin proteins. It contains both a collagen and fibrinogen-like domain, disulfide-links with other ficolin-3 molecules and associates with MASP proteins to activate complement. Under non-reducing conditions, ficolin-3 forms high 650 kDa, 18 monomer homopolymers. Rodent Ficolin-3 has not been reported. Human Ficolin-3 is 52% aa identical to human Ficolin-2.

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 Ficolin-3 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 Ficolin-3. The detection limit for rhFicolin-3 is approximately 5 ng/lane and 2 ng/lane under non-reducing and reducing conditions, respectively. In this format, this antibody shows less than 5% cross-reactivity with rhFicolin-2.

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