



Anti-human Ficolin-3 Antibody

ORDERING INFORMATION

Catalog Number: AF2367

Lot Number: UES01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Ficolin-3

Immunogen: NS0-derived rhFicolin-3 isoform 2

Ig Type: goat IgG

Applications: Direct ELISA
Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Ficolin-3 isoform 2 (rhFicolin-3; Accession # NP_775628). Human Ficolin-3 specific IgG was purified by human Ficolin-3 affinity chromatography. 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) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/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 its ability to recognize human Ficolin-3 in direct ELISAs and western blots. In these formats, this antibody shows approximately 5% cross-reactivity with rhFicolin-2.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Ficolin-3. The detection limit for rhFicolin-3 is approximately 0.7 ng/well.

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.

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