



Anti-human Ficolin-2 Antibody

ORDERING INFORMATION

Catalog Number: AF2428

Lot Number: UQJ01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Ficolin-2

Immunogen: NS0-derived rhFicolin-2

Ig Type: goat IgG

Applications: Direct ELISA
Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Ficolin-2 (rhFicolin-2). Human Ficolin-2 specific IgG was purified by human Ficolin-2 affinity chromatography. Human Ficolin-2 (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. The N-terminus disulfide-links with other ficolin-2 molecules. Ficolin-2 is 320 kDa under non-reducing conditions, representing a 12 subunit oligomer. Ficolin-2 is 70% aa identical to mouse ficolin-2. It is 84% and 52% aa identical to human Ficolin-1 and -3, respectively.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

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-2 in direct ELISAs and western blots. In these formats, this antibody shows less than 2% cross-reactivity with rhFicolin-3.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Ficolin-2. The detection limit for rhFicolin-2 is approximately 0.2 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-2. The detection limit for rhFicolin-2 is approximately 2 ng/lane under non-reducing and reducing conditions.

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