Anti-human Complement Component C1r Antibody

ORDERING INFORMATION

Catalog Number: AF1807

Lot Number: VAL01

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Complement Component C1r

Immunogen: NS0-derived rhC1r (aa 18 - 705)

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation

Preparation
Produced in goats immunized with purified, NS0-derived, recombinant human Complement Component C1r (rhC1r; aa 18 - 705). Human Complement Component C1r specific IgG was purified by human Complement Component C1r affinity chromatography.

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 Complement Component C1r in direct ELISAs and western blots.

Applications
Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect human Complement Component C1r. The detection limit for rhC1r is approximately 1.0 ng/well. In this format, this antibody shows less than 1% cross-reactivity with rhC1s.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect human Complement Component C1r. The detection limit for rhC1r is approximately 20 ng/lane under non-reducing and reducing conditions.

Immunprecipitation - This antibody has been used to immunoprecipitate rhC1r from conditioned media of transfected NS0 cells.

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

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