German Research Products - GRP GmbH
In der Stockwiese 26
D-85410 Haag/Amper, Germany
Email: info@grp-ak.de
Phone: +49 (0)8167 6335

Product Datasheet

CO4 - Complement component C4, Biotin conjugated
GRP13236

Species/Host	Chicken
Reactivity	Human
Predicted Reactivity	Human
Tested Applications	WB
Immunogen	full length native protein UniProt:P0C0L4 purified from human plasma
Form/Appearance	Liquid in 0.15M sodium chloride, 0.02M sodium phosphate, 0.1% sodium azide, pH 7.2
Storage	Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.
Note	For research use only.
Clonality	Polyclonal
Purity	Affinity purified IgY
MW	193 kDa
Uniprot ID	P0C0L4
Dilution Range	Use at an assay dependent dilution (WB)
Application Notes	Additional Information: Prior to conjugation: Only one precipitin arc in immunodiffusion against normal human serum or human C4. Only one precipitin arc in immunoelectrophoresis against normal human serum or human C4. Specific against human C4 alpha and beta chains in electroblotting when tested against normal human serum. Affinity purified on human C4 agaroseconcentration: 1 mg/ml Background: Complement component C4 consists of three polypeptide chains (alpha, molecular weight 95 kDa; beta, molecular weight 75 kDa and gamma, molecular weight 33 kDa) and is usually present in serum at 200-600 mg/L. It is a protein of the classical complement pathway. When activated by C1s, peptide C4a is released and the generated C4b binds C2 which is in turn cleaved by C1s to produce the classical pathway C3 convertase, namely C4b2a. C4b also has opsonin activity and binds to macrophages and neutrophils via their CR1 receptor.