

Product Datasheet

CO4c - Complement component C4c GRP13214

Species/Host	Chicken
Reactivity	Human
Predicted Reactivity	Human
Immunogen	full length native CO4c Complement component C4c protein purified from human plasma
Form/Appearance	Liquid in 0.9% NaCl, 0.1% sodium azide
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	Total IgY fraction
MW	35 kDa
Dilution Range	Use at an assay dependent dilution (WB)
Application Notes	<p>Additional Information: Only one precipitin arcs in immunodiffusion against normal human serum or human C4. Reacts with α and β chain in electroblotting. The names C4 and C4c for this target protein are frequently used together and almost interchangeably. The difference between the two is a single cleavage and the difference will not be able to be discerned in a polyclonal antibody. The IgY fraction is isolated by a two-step PEG precipitation. procedure followed by ammonium sulphate precipitation. 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.</p>