

## Product Datasheet

### CO4 - Complement component C4 GRP13231

|                      |  |
|----------------------|--|
| Species/Host         | Chicken  |
| Reactivity           | Human  |
| Predicted Reactivity | Human  |
| Immunogen            | full length native protein 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       | 1 : 2000 (ELISA), 1 : 1000 (WB)  |
| Application Notes    | <p>Additional Information: Only one precipitin arc in immunodiffusion against normal human serum or human complement component C4. Only one precipitin arc in immunoelectrophoresis against normal human serum or human complement component C4.ELISA has been performed on C4 deposition using human and mouse serum. Affinity purified IgY on human C4 agarose</p> <p>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> |