

## Product Datasheet

### CO4 antibody (orb303360)

**Description**

Chicken polyclonal antibody to C04

**Species/Host**

Gallus

**Reactivity**

Human

**Conjugation**

Unconjugated

**Immunogen**

full length native protein P0C0L4 purified from human plasma

**Form/Appearance**

Liquid

**Concentration**

1 mg/ml

**Storage**

Store at 4°C; make aliquots to avoid working with a stock. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Note**

For research use only

**Application notes**

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.

**Clonality**

Polyclonal

**Purity**

Immunogen affinity purified IgY in 0.15M sodium chloride, 0.02M sodium phosphate, 0.1% sodium azide., pH 7.2.

**MW**

193 kDa

**Uniprot ID**

**P0C0L4**

**Dilution Range**

ELISA: 1: 2000, WB: 1:1000

**Expiration Date**

12 months from date of receipt.