



## ***Anti-chicken Caronte Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF1051

**Lot Number:** FZZ0110081

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** chicken Caronte

**Immunogen:** NS0-derived chicken Caronte

**Ig Type:** goat IgG

**Applications:** Neutralization of  
ligand-antagonist interaction  
Western blot  
Direct ELISA

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant chicken Caronte (rchCaronte). Chicken Caronte specific IgG was purified by chicken Caronte affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Endotoxin Level***

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 neutralize rchCaronte's binding to BMP-4.

### ***Applications***

**Neutralization of Caronte-BMP-4 interaction** - Approximately 1.5 - 6 µg/mL of this antibody will block 50% of the binding of 100 ng/mL of rhBMP-4 to immobilized chCaronte (100 µL of a 5 µg/mL solution was coated in each well) in a functional ELISA.

**Western blot** - the antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect chicken Caronte. The detection limit for rchCaronte is approximately 2 ng/lane under non-reducing and reducing conditions.

**Direct ELISAs** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect chicken Caronte. The detection limit for rchCaronte is approximately 0.3 ng/well. In this format, this antibody shows approximately 15% cross-reactivity with rhCerberus-1 and less than 1% cross-reactivity with rhDAN and rmGremlin.

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