**Rat Haptoglobin**

**Catalog No.** 8110

**Analysis** SDS PAGE: ~40 & ~10 kDa bands indicative of β– and α– chains of haptoglobin.

**Purity** ≥90%

**Concentration** 1 - 5 mg/ml

**Buffer** 10 mM TrisCl (pH 7.4), 150 mM NaCl, 0.1% sodium azide

**Storage** -20 to -70°C. Avoid repeated freeze-thaws

**Source** Fresh frozen rat serum

Haptoglobin is a serum protein that consists of two alpha and two beta chains connected by disulfide bridges. The alpha and beta chains are characterized by molecular weights of ~10 kDa and ~40 kDa respectively. It acts as a hemoglobin scavenger and has been associated with protease inhibitory activity. It is a positive acute phase reactant, the levels of which increase significantly in rats in response to inflammation, tissue injury or disease. Haptoglobin is purified using a combination of affinity, gel filtration and ion-exchange chromatography steps.