Canine Haptoglobin

Catalog No.  8120

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

Purity  ≥90%

Concentration  0.5 2.5 mg/ml (Bradford assay vs. BSA)

Buffer  10 mM sodium phosphate (pH 7.2), 150 mM NaCl, 0.05% sodium azide

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

Source  Fresh frozen canine 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 dogs in response to inflammation, tissue injury or disease. Haptoglobin is purified using a combination of affinity, gel filtration and ion-exchange chromatography steps.