

Life Diagnostics, Inc.

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Rabbit Haptoglobin

Catalog No.	8175
Analysis	SDS PAGE: ~40 & ~10 kDa bands indicative of β - and α - chains of haptoglobin.
Purity	$\geq 90\%$
Concentration	0.5 - 5 mg/ml, depending on batch (protein is determined from absorbance at 280 nm, assuming an absorbance of 1.594 for a 1 mg/ml solution)
Buffer	10 mM Sodium phosphate (pH 7.2), 150 mM NaCl, 0.09% sodium azide
Storage	-20 to -70°C. Avoid repeated freeze-thaws
Source	Rabbit acute phase serum

Haptoglobin is a serum protein that consists of two alpha and two beta chains connected by disulfide bridges. The alpha and beta chains of rabbit haptoglobin are characterized by polypeptide molecular weights of 9.5 kDa and 27.3 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 rabbits in response to inflammation, tissue injury or disease. Haptoglobin is purified using a combination of affinity and gel filtration chromatography steps.

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