

HP

Native Bovine Haptoglobin

Catalog No.	CSI14649A	Quantity:	100 µg
	CSI14649B		1 mg

Description: Native Bovine 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 approximately 10 kDa and 40 kDa. Haptoglobin acts as a hemoglobin scavenger and has been associated with protease inhibitory activity. Haptoglobin (Hp) appears to be an immunomodulator or acute phase protein found in the serum. Hp levels increases during the acute phase response to inflammation or infection. Hp binds free hemoglobin (Hb) with high affinity, thereby inhibiting the oxidative activity. The removal of Hb-Hp complexes results in a decrease in Hp protein levels seen in hemolytic anemia.

Concentration: > 0.5 mg/ml, lot specific

UniProt ID: Q2TBU0

Gene ID: 280692

Source: Bovine plasma

Formulation: 10 mM sodium phosphate, 150 mM NaCl, 0.05% NaN₃, pH 7.2
Precaution: Sodium Azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purity: ≥ 90% by SDS-PAGE, major bands at 40 kDa and 10 kDa.

Extinction Coefficient: $E^{0.1\%}_{280\text{nm}} = 1.678$

Certification: The animal source of this product was collected at a USDA licensed establishment. The animals received ante and post mortem health inspection at the abattoir by a US FSIS inspector and they were apparently free from infectious and contagious diseases. All donor animals were sourced from the United States.

Storage & Stability: Store unopened vial at -20°C to -80°C up to 1 year. **Avoid repeated freeze-thaws.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.