

Hp Native Rat Haptoglobin

Catalog No.	CRH105A	Quantity:	50 µg
	CRH105B		100 µg
	CRH105C		1 mg

Alternate Names: HP

Description: Haptoglobin binds free plasma hemoglobin released from erythrocytes with high affinity and thereby inhibits its oxidative activity. Recycling of the heme iron, prevents accumulation and damage to kidneys. The haptoglobin-hemoglobin complex will then be removed by the reticuloendothelial system (mostly the spleen). Haptoglobin is a serum protein that consists of two alpha and two beta chains connected by disulfide bridges. It acts as a hemoglobin scavenger and has been associated with protease inhibitory activity. Haptoglobin also acts as an antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response.

UniProt ID: P06866

Gene ID: 24464

Source: Rat Serum

Molecular Weight: ~90 kDa

Formulation: Lyophilized, salt free

Purity: ≥ 95% by SDS-PAGE analysis.

Extinction Coefficient: $E^{0.1\%}_{280\text{nm}} = 1.2$

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 -1.0 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for complete reconstitution.

Storage & Stability: Store lyophilized product at -20°C to -80°C for at least 1 year. Upon reconstitution, prepare aliquots of the stock solution and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

Country of Origin: USA

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