# HP
# Native Mouse Haptoglobin

| | | | |
|---|---|---|---|
| **Catalog No.** | CSI19664A<br>CSI19664B | **Quantity:** | 100 µg<br>250 µg |

**Alternate Names:** HP-1

**Description:** Haptoglobin (HP) is a pre-proprotein in the blood plasma processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. HP functions to bind free plasma Hemoglobin, which allows degradative enzymes to gain access to the Hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by Hemoglobin. The HP-Hemoglobin complex will then be removed by the reticuloendothelial system (mostly the spleen). Mutations in HP and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. HP has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. It is a positive acute phase reactant, the levels of which increase significantly in mice in response to inflammation, tissue injury or disease.

**Concentration:** Typically >0.5 mg/mL

**Gene ID:** 15439

**Source:** Mouse Serum

**Molecular Weight:** 38.8 kDa

**Formulation:** Liquid in 10 mM TrisCl pH 7.4 + 150mM NaCl

**Purity:** >90% by SDS-PAGE

**Storage & Stability:** Store below -20°C. **Avoid repeated freeze-thaw cycles.**

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

**Cell Sciences**®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com