



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Haptoglobin, Polyclonal anti-Human Affinity Purified (Hp)
AB CONCENTRATION:	Typically 1mg/ml
CAT. NO:	IRHPT-80A
FORM:	Liquid in PBS, pH 7.2.
HOST:	Rabbit
IMMUNOGEN:	Human Haptoglobin
PURITY:	Affinity Purified
STORAGE:	2-4C

HUMAN HAPTOGLOBIN Human Haptoglobin (frequently abbreviated as Hp) is a protein in the blood plasma that binds free hemoglobin released from erythrocytes with high affinity and thereby inhibits its oxidative activity. The haptoglobin-hemoglobin complex will then be removed by the reticuloendothelial system (mostly the spleen). For this reason, human haptoglobin levels will be decreased in haemolytic anaemias.

HUMAN HAPTOGLOBIN Human Haptoglobin (HP) is produced mainly by the liver and secreted into the circulation. As a major positive acute-phase reactant, Human Haptoglobin(Hp) increases in plasma during inflammation, infection, trauma, tissue damage, and malignant proliferation. Human Haptoglobin (Hp) may play important roles in a variety of lung inflammatory diseases in humans.

Ref.Am. J. Respir. Cell Mol. Biol., Volume 23, Number 3, September 2000 277-282

Increased serum human haptoglobin concentration and changes in its glycosylation have been reported in certain cancer types. Research has shown that human serum haptoglobin Hp is a potential biomarker in the diagnosis of hepatocellular carcinoma(HCC) Ref: J. Proteome Research.,5 (10),2691-2700,2006.