

□ Cat # RP-978

Recombinant Human Haptoglobin

Size: □ 5 ug

Haptoglobin is a glycoprotein which is synthesized in the liver and circulates in the blood. Haptoglobin is produced typically by hepatocytes but also by other tissues: e.g. skin, lung, and kidney. It is a positive acute phase protein that binds free hemoglobin and removes it from the circulation to prevent kidney injury, and iron loss following hemolysis. The haptoglobin-hemoglobin complex is subsequently removed by the reticuloendothelial system (generally the spleen). As the reticuloendothelial system removes the haptoglobin-hemoglobin complex from the body, haptoglobin levels are reduced in hemolytic anaemias. In the course of binding hemoglobin, haptoglobin sequesters the iron inside hemoglobin, preventing iron-utilizing bacteria from benefitting from hemolysis.

SOURCE:

Haptoglobin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing (aa. 145-405) fusion protein with His tag and having a total Mw of 33 kDa (4 kDa His-tag). It is supplied in 1xPBS, pH 7.4, 0.1% SDS and 1mM DTT or lyophilized in the same buffer. Reconstitute the powder in water and store stock solutions at -20oC or below in suitable size aliquots.

APPLICATION AND SUGGESTED DILUTIONS:

Positive control for Western blot, Antibody production, Protein assay. Greater than 90.0% as determined by SDS-PAGE and HPLC. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

Lyophilized Haptoglobin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Haptoglobin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

RP-978 140523A

Related Items

Catalog# ProdDescription

6250 Mouse Haptoglobin ELISA Kit, 96 tests, Quantitative
6250-10 Dog Haptoglobin ELISA Kit, 96 tests, Quantitative
6250-20 Horse Haptoglobin ELISA Kit, 96 tests, Quantitative
6250-30 Rat Haptoglobin ELISA kit
6250-40 Pig Haptoglobin ELISA kit
6250-50 Cat Haptoglobin ELISA kit
6250-60 Bovine Haptoglobin ELISA kit
6250-70 Monkey Haptoglobin ELISA kit, quantitative, 96 tests

HGLB19-A Anti-Human haptoglobin IgG/Y
HGLB11-A Anti-Mouse Haptoglobin aff pure
HGLB11-C Haptoglobin Mouse, purified protein ctrl
for Western
HGLB11-N-25 Haptoglobin Mouse, purified protein
HGLB12-A Anti-Pig Haptoglobin IgG, aff pure
HGLB12-C Haptoglobin Pig, purified protein control for
Western

HGLB12-N-25 Haptoglobin Pig, purified protein
HGLB13-A Anti-Rat Haptoglobin IgG, aff pure
HGLB13-C Haptoglobin Rat , purified protein ctrl for
Western

HGLB13-N-25 Haptoglobin Rat , purified protein
HGLB14-A Anti-Bovine Haptoglobin IgG, aff pure
HGLB14-C Haptoglobin, Bovine, purified protein ctrl
for Western

HGLB14-N-25 Haptoglobin, Bovine, purified protein
HGLB15-A Anti-Dog Haptoglobin IgG, aff pure
HGLB15-C Haptoglobin, Dog, purified protein ctrl for
Western

HGLB15-N-25 Haptoglobin, Dog, purified protein
HGLB16-C Haptoglobin, Cat, purified protein control for
Western

HGLB16-N-25 Haptoglobin, Cat, purified protein
HGLB17-C Haptoglobin, Horse, purified protein ctrl
for Western

HGLB17-N-25 Haptoglobin, Horse, purified protein
HGLB18-A Anti-Human Haptoglobin protein IgG, aff pure,
unlabeled
HGLB18-C Haptoglobin Human Plasma protein control for
WB

HGLB18-N Haptoglobin, Human Plasma, Mixed Type
HGLB19-M Monoclonal Anti-Human Haptoglobin protein,
ascites

HGLB20-N Haptoglobin 1-1 (Hp1-1), Human Plasma
(>95%, 86 kda)

HGLB21-N Haptoglobin 2-2 (Hp2-2), Human Plasma
(>95%, 170-900 kda)

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