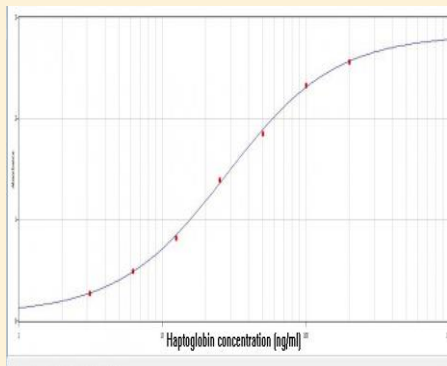


Human Haptoglobin ELISA Kit Cat# 6250-80, 96 test

This ELISA kit for quantitative measurement of human haptoglobin in human serum and plasma. For in vitro research use only.



Typical Std. Curve

Human Haptoglobin ELISA Kit Features

- Highly specific anti-Haptoglobin pre-coated, stabilized, ready-to-use 96-well strip plate, stable for ~12 months.
- Lyophilized Human haptoglobin standard (3.12, 6.25, 12.5, 25, 50, 100, 200 ng/ml).
- Sensitivity: ~60 pg/ml
- Sample size: 100 ul. (Diluted 1:50,000 or more)
- 45 mins (15+15+5) assay, 3 incubation steps, Good Recovery and Assay Precision.
- Contains all necessary reagents. Shelf life ~12 months.

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

Step 1. Pipet 100 ul each of pre-diluted stds, samples into pre coated wells. Cover and incubate at RT for 15 mins.

Step 2. Aspirate and wash 4X. Add 100 ul of enzyme antibody soln. to all wells. Cover and Incubate at RT for 15 mins.

Step 3. Aspirate and Wash 4X Pipet 100 ul of TMB substrate into each well, mix gently, cover and incubate at RT for 5 mins.

Step 5. Pipet 100 ul of stop soln to each well, and mix gently on a plate shaker. Blue color turns yellow. **Measure absorbance at 450 nm**

Performance characteristics

First calculate the averaged optical densities for each calibrator well, and plot the averaged optical density of each calibrator versus the concentration. Interpolate test sample values from standard curve.

Specificity: Cross Reactivity with Cynomolgus Monkey has been observed. This kit is optimized for Human samples.

General information

Acute phase proteins are plasma proteins which increase in concentration following infection, inflammation or trauma. The first acute phase protein to be recognized was discovered in humans by Tillet and Frances in 1930. Haptoglobin (Hp) is a heterogeneous plasma protein mostly synthesized by the liver. The haptoglobin monomer consist of two heavy chains, beta chains (40 kD) and two light chains, alpha chains, alpha 1 (9 kD) and alpha 2 (16 kD) that are linked disulfide bonds. The three major haptoglobin types are; Hp1-1 which is monomeric (98kD), Hp1-2 is polymeric at about 200 kD, and Hp2-2 at about 400 kD. The levels in serum rise quickly following acute tissue damage within 24 to 48 hours and also fall very rapidly once the stimulus is removed. In fact, Hp level are decreased in hemolytic anemia. Hp has a high affinity for hemoglobin (Hb) and its function appears to be to prevent loss of Hb in urine which would lead to loss of iron. Investigations over the past few years have shown that quantification of Hp in plasma or serum can provide valuable diagnostic information in the detection, prognosis, and monitoring of disease not only in humans, but in companion animals and farm herds as well.

ADI's human haptoglobin ELISA Kit is used for the quantitative measurement of haptoglobin in human serum or plasma. For in vitro research use only.

Related Items

6250-80	Human Haptoglobin ELISA kit 96 tests, Quantitative
6250-70	Monkey 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 96 tests, Quantitative
6250-40	Pig Haptoglobin ELISA kit 96 tests, Quantitative
6250-50	Cat Haptoglobin ELISA kit 96 tests, Quantitative
6250-60	Bovine Haptoglobin ELISA kit 96 tests, Quantitative
6250	Mouse Haptoglobin ELISA kit 96 tests, Quantitative

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