

Datasheet for ABIN2869535 Haptoglobin Protein (HP)



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Overview

Quantity: 1 mg

Target: Haptoglobin (HP)

Origin: Human

Source: Human

Protein Type: Native

Product Details

Characteristics: Purified native Human Haptoglobin protein
Protein Source: Human plasma

Purity: > 95 % pure

Target Details

Target: Haptoglobin (HP)

Alternative Name: Haptoglobin ([HP Products](#))

Background: An acute-phase plasma protein found in human plasma at 100-300 mg per 100 ml. Binds hemoglobin, thus preventing loss of iron through the kidneys. Humans are polymorphic for haptoglobin, with three major phenotypes. Hp 1-1 is the most common, and the most effective in binding free hemoglobin. Hp 2-2 is the least effective. This functional difference may be associated with the frequency and severity of epilepsy attacks, as researchers have found a correlation between recurring seizures and the Hp 2-2 phenotype.

Description: Human plasma.

Alternative Names: HP protein, Haptoglobin, HPT protein, beta polypeptide protein, HP2 alpha2

Target Details

protein, Haptoglobin protein, MGC111141 protein, HPA1S protein, alpha polypeptide protein, Hp2 alpha protein

Molecular Weight: Hp 1-1: 86 kDa, Hp 2-1: 200 kDa, Hp 2-2: 400 kDa

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Reconstitution: Reconstitute with 1.0 mL of PBS, pH 7.4, per 1.0 mg of antigen.

Buffer: Supplied as a lyophilised powder.

Precaution of Use: Donor samples were tested and found to be negative for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.