

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Haptoglobin in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 448018
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Haptoglobin Met1-Gln347 Accession # P00738
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

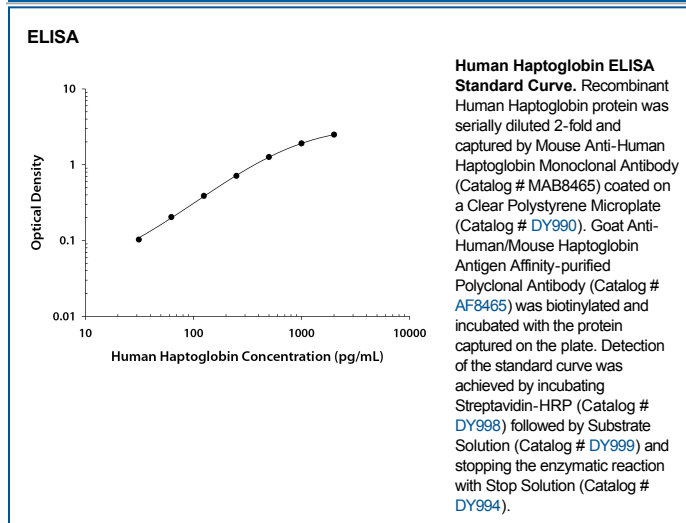
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

ELISA This antibody functions as an ELISA capture antibody when paired with Goat Anti-Human/Mouse Haptoglobin Antigen Affinity-purified Polyclonal Antibody (Catalog # [AF8465](#)).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Haptoglobin DuoSet ELISA Kit (Catalog # [DY8465-05](#)) for convenient development of a sandwich ELISA or the Human Haptoglobin Quantikine ELISA Kit (Catalog # [DHAPG0](#)) for a complete optimized ELISA.

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Haptoglobin is a 406 aminoacids (aa) protein that in humans is encoded by the HP gene. This gene encodes a preproprotein that is processed into alpha (aa 19-160) and beta (aa 162-406) chains that combine as a tetramer to produce haptoglobin. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage.