

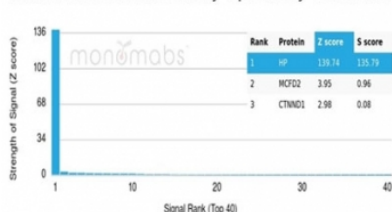
## Haptoglobin Antibody [clone HP/3837] (V8980)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V8980-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8980-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V8980SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

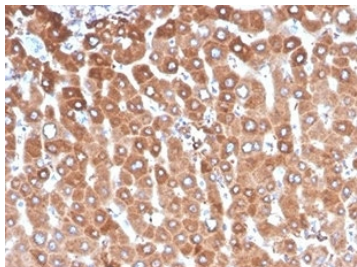
[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                     |
| <b>Isotype</b>            | Mouse IgG1, kappa   |
| <b>Clone Name</b>         | HP/3837   |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | P00738  |
| <b>Localization</b>       | Secreted, cytoplasmic   |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml                        |
| <b>Limitations</b>        | This Haptoglobin antibody is available for research use only. |

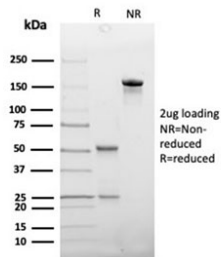
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Haptoglobin antibody (clone HP/3837). These results demonstrate the foremost specificity of the HP/3837 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human liver tissue with Haptoglobin antibody (clone HP/3837) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Haptoglobin antibody (HP/3837) as confirmation of integrity and purity.

## Description

Haptoglobin (Hp) is a blood plasma protein that functions to bind free Hemoglobin that has been released from erythrocytes, thereby inhibiting its oxidative activity. During this process, Haptoglobin sequesters the iron within Hemoglobin, preventing iron-utilizing bacteria from benefitting from hemolysis.

## Application Notes

Optimal dilution of the Haptoglobin antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 100-250 was used as the immunogen for the Haptoglobin antibody.

## Storage

Aliquot the Haptoglobin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.