

Sheep Haptoglobin ELISA Kit | HP elisa kit

Sheep Haptoglobin

CATALOG #
AAA14513

REACTIVITY
Sheep

PRODUCT SYNONYMS

Haptoglobin; Sheep Haptoglobin; HP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Sequence Length	406
Assay Type	Sandwich
Samples	Sheep biological samples

ADDITIONAL INFORMATION

Related Product Information for HP elisa kit

Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the haptoglobin (HPT) present in samples reacts with the anti-HPT antibodies, which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-HPT antibodies conjugated with horseradish peroxidase (HRP) are added. These enzyme-labeled antibodies form complexes with the previously bound HPT. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of HPT in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of HPT in the test sample. The quantity of HPT in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution.

Intended Uses: The HPT test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring HPT in sheep biological samples. If the ELISA is to be used outside the intended use, the user may need to optimize for said use.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386783
NCBI GeneID	3240
Molecular Weight	38,452 Da
NCBI Official Full Name	haptoglobin
NCBI Official Synonym Full Names	haptoglobin
NCBI Official Symbol	HP
NCBI Official Synonym Symbols	BP; HPA1S; HP2ALPHA2
NCBI Protein Information	haptoglobin; zonulin; binding peptide; haptoglobin alpha(1S)-beta; haptoglobin alpha(2FS)-beta; haptoglobin, beta polypeptide; haptoglobin, alpha polypeptide
UniProt Protein Name	Haptoglobin
UniProt Gene Name	HP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sheep-elisa-kits/haptoglobin/14513>