

For Research Use Only

Haptoglobin Recombinant monoclonal antibody, PBS Only

Catalog Number: 82812-11-PBS



Basic Information

Catalog Number: 82812-11-PBS	GenBank Accession Number: BC121125	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3240	CloneNo.: 252176B3
Source: Rabbit	UNIPROT ID: P00738	
Isotype: IgG	Full Name: haptoglobin	
Immunogen Catalog Number: EG6628	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

HP(Haptoglobin) is also named as zonulin and belongs to the peptidase S1 family. HP, a plasma glycoprotein that binds free hemoglobin, has a tetrameric structure of 2 alpha(16 kDa and 9 kDa) and 2 beta(40 kDa) polypeptides that are covalently associated by disulfide bonds. In most species, apart from ruminants, Hp has a molecular mass of 100 kDa, consisting of two subunits of 40 kDa and two subunits of 9 kDa, although in a few species, such as man, genetic variant of Hp forms polymers of higher mass(PMID:2361363). Recent studies of haptoglobin show that certain oligosaccharide structures predominate in different diseases. For example, a highly-fucosylated structure is found in breast cancer and ovarian cancer, highly-sialylated structures in Crohn's disease and highly branched structures in alcoholic liver disease and fucosylated haptoglobin is a good serum marker for pancreatic cancer.(PMID:16385567).

Storage

Storage:
Store at -80°C.

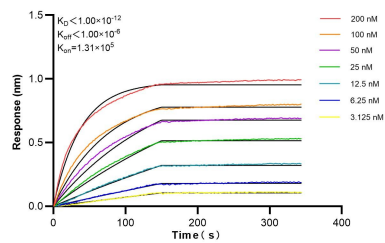
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 82812-11-RR (HP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82812-11-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82812-11-RR against Human Haptoglobin were performed. The affinity constant is below 1 pM.