



Anti-Haptoglobin monoclonal antibody, clone 37F22 (DCABH-2885)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Haptoglobin
Antigen Description	As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an Antimicrobial; Antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response. Hemoglobin/haptoglobin complexes are rapidly cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway. Uncleaved haptoglobin, also known as zonulin, plays a role in intestinal permeability, allowing intercellular tight junction disassembly, and controlling the equilibrium between tolerance and immunity to non-self antigens.
Target	Haptoglobin
Immunogen	Haptoglobin purified from Human plasma.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	37F22
Conjugate	Unconjugated
Applications	WB, IHC-P
Positive Control	Human liver tissue
Format	Liquid

Size	50 µl
Buffer	Preservative: 0.03% Sodium azide; Constituents: HEPES, 50% Glycerol, 0.88% Sodium chloride, 0.01% BSA
Preservative	0.03% Sodium Azide
Storage	store at -20°C. Avoid freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	HP haptoglobin [Homo sapiens]
Official Symbol	HP
Synonyms	HP; haptoglobin; zonulin; binding peptide; haptoglobin alpha(1S)-beta; haptoglobin alpha(2FS)-beta; haptoglobin, beta polypeptide; haptoglobin, alpha polypeptide; BP; HPA1S; HP2ALPHA2; MGC111141;
Entrez Gene ID	3240
Protein Refseq	NP_001119574
UniProt ID	P00738
Chromosome Location	16q22.2
Pathway	amb2 Integrin signaling, organism-specific biosystem;
Function	catalytic activity; hemoglobin binding; serine-type endopeptidase activity;