

For Research Use Only

# Mouse HO-1/Hmox1 Recombinant antibody, PBS Only (Capture)



Catalog Number: 83291-3-PBS

## Basic Information

<b>Catalog Number:</b> 83291-3-PBS	<b>GenBank Accession Number:</b> NM_010442.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15368	<b>CloneNo.:</b> 240236G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14901	
<b>Isotype:</b> IgG	<b>Full Name:</b> heme oxygenase (decycling) 1	
	<b>Calculated MW:</b> 33 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
mouse

## Product Information

83291-3-PBS targets HO-1/Hmox1 as part of a matched antibody pair:

MP00318-2: 83291-3-PBS capture and 83291-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

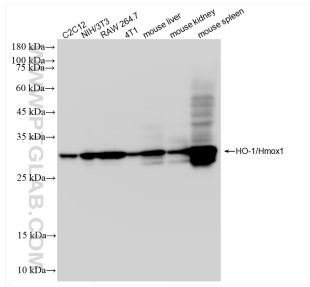
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

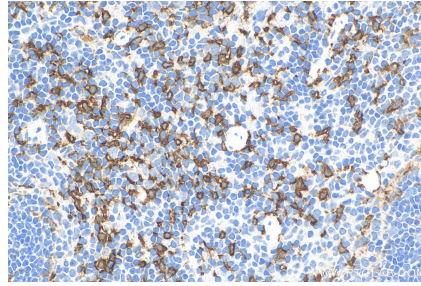
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

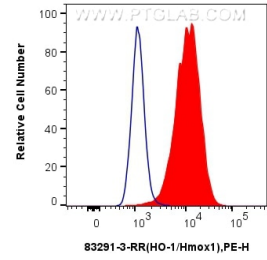
## Selected Validation Data



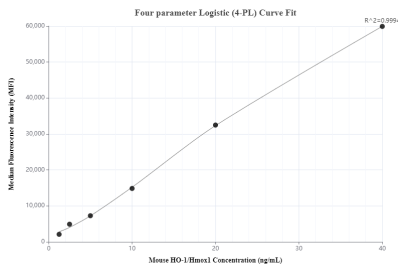
Various lysates were subjected to SDS PAGE followed by western blot with 83291-3-RR (HO-1/Hmox1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83291-3-PBS in a different storage buffer formulation.



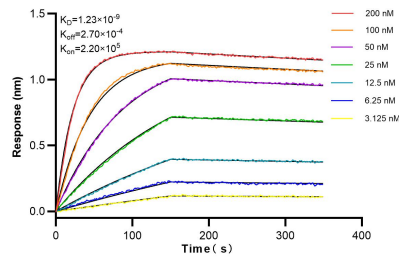
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83291-3-RR (HO-1/Hmox1 antibody) at dilution of 1:200 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83291-3-PBS in a different storage buffer formulation.



$1 \times 10^6$  NIH/3T3 cells were intracellularly stained with 0.25  $\mu$ g HO-1/Hmox1 Recombinant antibody (83291-3-RR, Clone:240236G4) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83291-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00318-2, MOUSE HO-1/Hmox1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83291-3-PBS. Detection antibody: 83291-2-PBS. Standard: Eg0938. Range: 1.25-20 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83291-3-RR against Mouse HO-1/Hmox1 were performed. The affinity constant is 1.23 nM.