

# HO-1/Hmox1 Recombinant antibody

Catalog Number: 83291-3-RR

## Basic Information

**Catalog Number:**

83291-3-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_010442.2

**GeneID (NCBI):**

15368

**UNIPROT ID:**

P14901

**Full Name:**

heme oxygenase (decycling) 1

**Calculated MW:**

33 kDa

**Observed MW:**

33 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240236G4

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, FC (Intra), ELISA

**Species Specificity:**

mouse

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*)** Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0**

**Positive Controls:**

**WB :** C2C12 cells, NIH/3T3 cells, RAW 264.7 cells, 4T1 cells, mouse liver tissue, mouse kidney tissue, mouse spleen tissue

**IHC :** mouse spleen tissue,

## Background Information

### Storage

**Storage:**

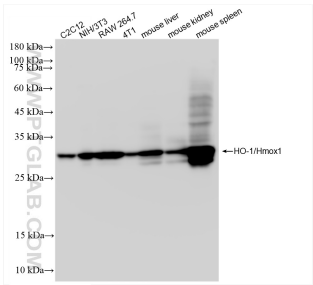
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

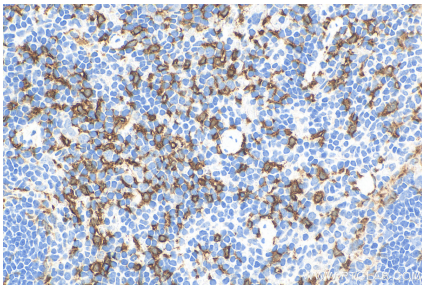
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

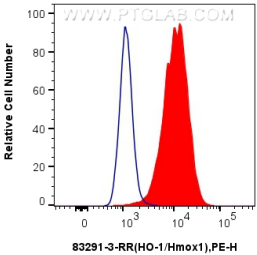
Selected Validation Data



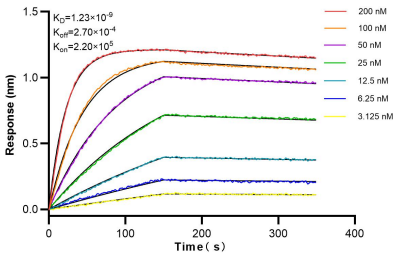
Various lysates were subjected to SDS PAGE followed by western blot with 83291-3-RR (HO-1/Hmox1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10<sup>6</sup> NIH/3T3 cells were intracellularly stained with 0.25 ug HO-1/Hmox1 Recombinant antibody (83291-3-RR, Clone:240236G4) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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