For Research Use Only

HO-1/Hmox1 Recombinant antibody

Catalog Number:83291-3-RR

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Basic Information

Catalog Number:
83291-3-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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,

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

***** 20ul sizes contain 0.1% BSA**

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
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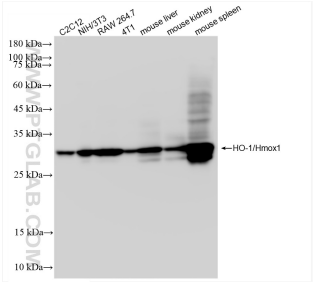
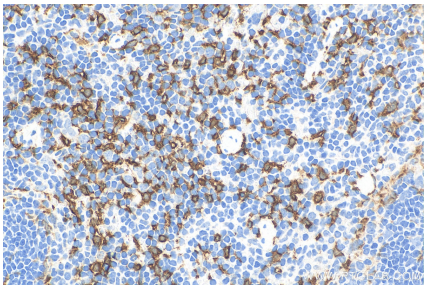
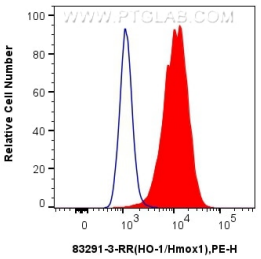
Selected Validation Data



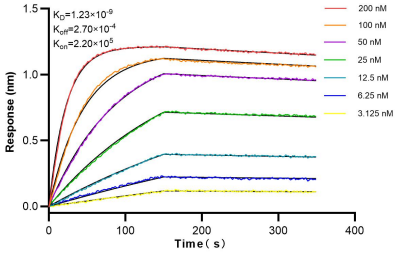
Various lysates were subjected to SDS PAGE followed by western blot with 83291-3-RR (HO-1/Hmox1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10^6 NIH/3T3 cells were intracellularly stained with 0.25 ug HO-1/Hmox1 Recombinant antibody (83291-3-RR, Clone:240236G4) and PE-Conjugated 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.