

HO-1 Mouse Monoclonal Antibody(Mix-mA)

Catalog No.: RA10302

Basic Information

Information

Reactivity	H,M,R
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	28KD

Applications

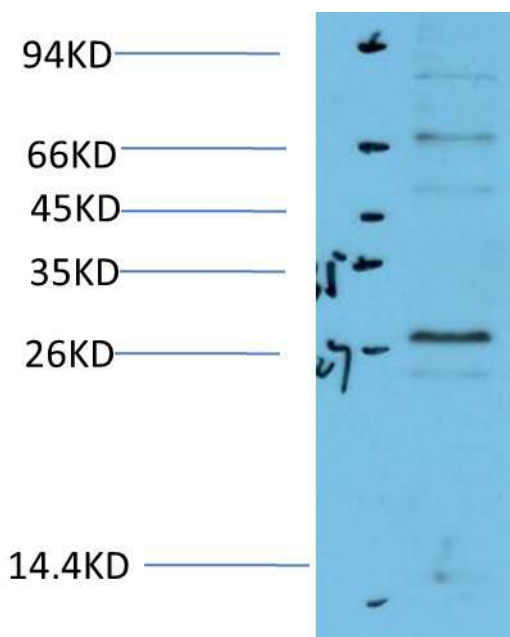
Recommended Dilution

WB	1:1,000-2,000
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Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of 3T3 Cell Lysate using HO-1 Mouse Monoclonal mAb diluted at 1:2,000.

Background

Catalytic activity: $\text{Heme} + 3 \text{ AH}(2) + 3 \text{ O}(2) = \text{biliverdin} + \text{Fe}(2+) + \text{CO} + 3 \text{ A} + 3 \text{ H}(2)\text{O}$.,function:Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions,the activity of heme oxygenase is highest in the spleen,where senescent erythrocytes are sequestered and destroyed.,induction:Heme oxygenase 1 activity is highly inducible by its substrate heme and by various non-heme substances such as heavy metals,bromobenzene,endotoxin,oxidizing agents and UVA.,similarity:Belongs to the heme oxygenase family.