

## HO-1 Mouse Monoclonal Antibody(3F9)

Catalog	TDY1045C	TDY1045F	Tel: 010-80117836
			Web: www.tdybio.com
Quantity	50μL	100μL	Entrez-Gene ID:3162, Swiss-Prot Acc.P09601

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB	H,R,M	~28KD	IgG1

**Storage Buffer & Condition:** Antigen Affinity Purified IgG1 in PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Store at **-20°C. Do not aliquot the antibody.**

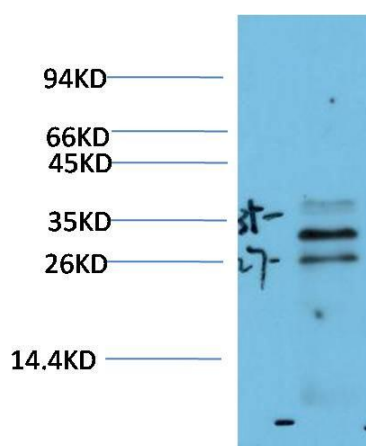
**Recommended dilutions:**WB: 1:1,000-2,000

**Optimal dilutions should be determined by the end user.**

**Specificity:**The antibody can detect endogenous HO-1 proteins.

**Alternative Names:**Heme Oxygenase 1

**Background:** Catalytic activity:Heme + 3 AH(2) + 3 O(2) = biliverdin + Fe(2+) + CO + 3 A + 3 H(2)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.



Western blot analysis of 3T3 Cell Lysate using HO-1 (TDY1045) Mouse Monoclonal mAb diluted at 1:2,000.