

À des fins de recherche uniquement

# Anticorps Monoclonal anti-HO-1/HMOX1



Numéro de catalogue: **CL488-66743**

## Informations de base

Numéro de catalogue: CL488-66743	Numéro d'acquisition GenBank: BC001491	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 3162	CloneNo.: 2D10A5
Hôte: Mouse	Nom complet: heme oxygenase (decycling) 1	Dilutions recommandées: IF 1:50-1:500
Isotype: IgG2a	MW calculé 33 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG21296	MW observés: 33 kDa	

## Applications

Applications testées: FC (Intra), IF	Contrôles positifs: IF : tissu hépatique humain,
Spécificité de l'espèce: Humain, porc, rat, souris	

## Informations générales

Heme oxygenase (HMOX1) catalyzes the first and rate-limiting step in the degradation of heme to yield equimolar quantities of biliverdin Ixa, carbon monoxide (CO), and iron. It has 3 isoforms: HO-1 is highly inducible, whereas HO-2 and HO-3 are constitutively expressed (PMID:10194478). Heme oxygenase-1 (HO-1) is expressed in many tissues and vascular smooth muscle cells, and endothelial cells (PMID:15451051) and has been identified as an important endogenous protective factor induced in many cell types by various stimulants, such as hemolysis, inflammatory cytokines, oxidative stress, heat shock, heavy metals, and endotoxin (PMID: 11522663). And the full-length HO-1 is very unstable and susceptible to truncation that generates an inactive, soluble form (28 kDa) (James R. Reed, Pharmacology, 535-568).

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

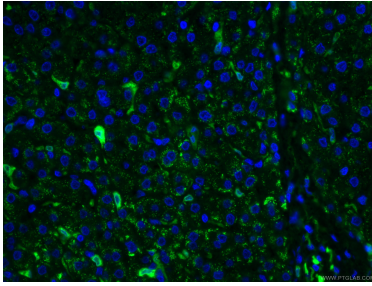
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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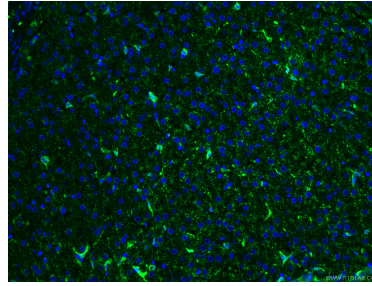
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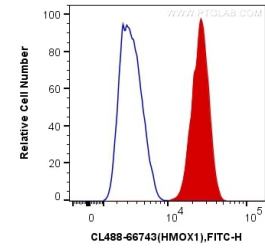
## Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CL488-66743 (HO-1/HMOX1 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CL488-66743 (HO-1/HMOX1 antibody) at dilution of 1:100.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human HO-1/HMOX1 (CL488-66743, Clone:2D10A5) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).