

ARG57178 anti-Heme Oxygenase 1 antibody [1D6]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1D6] recognizes Heme Oxygenase 1
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	1D6
Isotype	IgG2a, kappa
Target Name	Heme Oxygenase 1
Species	Human
Immunogen	Recombinant fragment around aa. 1-266 of Human Heme Oxygenase 1
Conjugation	Un-conjugated
Alternate Names	bK286B10; Heme oxygenase 1; HO-1; EC 1.14.99.3; HMOX1D; HSP32

Application Instructions

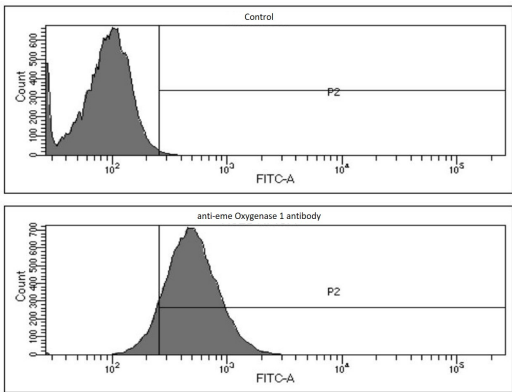
Application table	Application	Dilution
	FACS	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

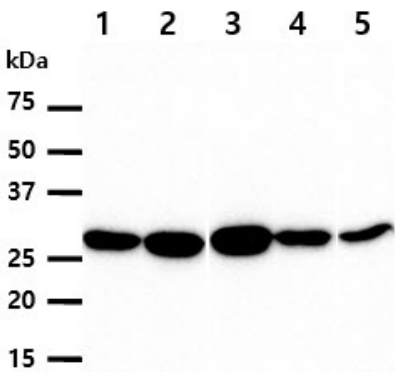
Database links	GeneID: 3162 Human Swiss-port # P09601 Human
Gene Symbol	HMOX1
Gene Full Name	heme oxygenase 1
Background	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. [provided by RefSeq, Jul 2008]
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. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis. [UniProt]
Highlight	Related products: Heme Oxygenase 1 antibodies ; Heme Oxygenase 1 ELISA Kits ; Heme Oxygenase 1 Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: Keap1-Nrf2-ARE antibody panel is launched
Calculated Mw	33 kDa

Images



ARG57178 anti-heme Oxygenase 1 antibody [1D6] FACS image

Flow Cytometry: HeLa cell line stained with ARG57178 anti-heme Oxygenase 1 antibody [1D6] at 2-5 μ g for 1×10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody: Mouse IgG (black line).



ARG57178 anti-heme Oxygenase 1 antibody [1D6] WB image

Western blot: 40 μ g of 1) HeLa, 2) A549, 3) 293T, 4) HepG2, and 5) TF-1 cell lysates stained with ARG57178 anti-heme Oxygenase 1 antibody [1D6] at 1:500.