

Datasheet for ABIN6720268

HMOX1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	HMOX1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 32 kD, bK286B10, D8Wsu38e, heat shock protein 32 kD, heat shock protein 32kD, Heat shock protein, Heme oxygenase (decycling) 1, Heme oxygenase 1, Hemox, HMOX 1, Hmox, HMOX1, HMOX1_HUMAN, HO 1, HO, HO-1, HO1, Hsp32</p> <p>Background: HMOX1 (heme oxygenase (decycling) 1) is a human gene that encodes for the enzyme heme oxygenase 1. It is localized to chromosome 22. 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.</p>

Product Details

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.

Gene Name: HMOX1

Production: Natural and recombinant human HO-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: M1-M288

Target Details

Target:	HMOX1
Alternative Name:	HO-1 - HMOX1 (HMOX1 Products)
Gene ID:	3162
NCBI Accession:	NP_002124
UniProt:	P09601
Pathways:	Transition Metal Ion Homeostasis , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , SARS-CoV-2 Protein Interactome

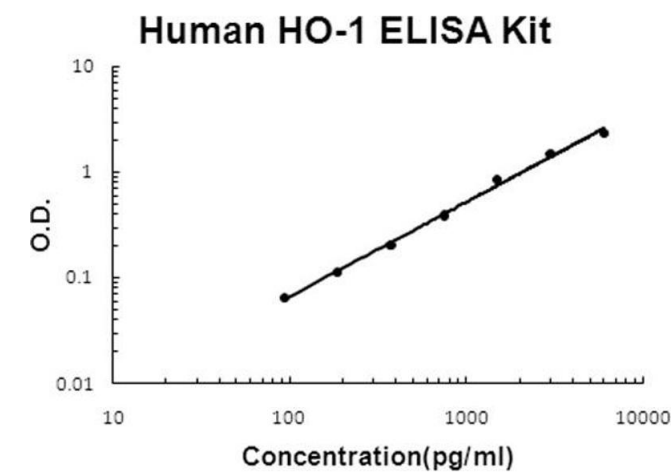
Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL human HO-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human HO-1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 93.7pg/mL-6000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 04/09/2018 -20° C - 10/10/2018</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human HO-1/HMOX1 Accusignal ELISA Kit
Human HO-1/HMOX1 AccuSignal ELISA Kit standard curve.
Assay Range: 93.7pg/ml-6000pg/ml. Sensitivity: <10pg/ml.