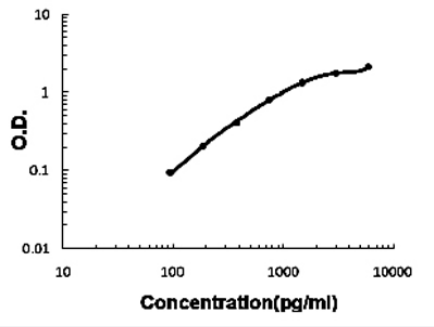
# HMOX1 (Human) ELISA Kit

Catalog # KA5072 Size 1 Kit

## Applications




The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | HMOX1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human HMOX1. |
| **Suitable Sample** | Cell Culture Supernatant, Cell Lysates, Plasma (EDTA, Heparin), Serum |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 93.7 to 6000 pg/mL |
| **Reactivity** | Human |
| **Regulatory Status** | For research use only (RUO) |
| **Quality Control Testing** | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed. |
| **Storage Instruction** | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles. |

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## Applications

- Quantification

## Gene Info — HMOX1

| | |
|---|---|
| **Entrez GeneID** | 3162 |
| **Protein Accession#** | P09601 |
| **Gene Name** | HMOX1 |
| **Gene Alias** | HO-1, HSP32, bK286B10 |
| **Gene Description** | heme oxygenase (decycling) 1 |
| **Omim ID** | 141250 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, whic h is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative n eurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonhe me substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a c onstitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. [provi ded by RefSeq |
| **Other Designations** | OTTHUMP00000028925\|heme oxygenase (decyclizing) 1 |

## Pathway

- Porphyrin and chlorophyll metabolism

## Disease

- Abortion
- Adenocarcinoma
- Airway Remodeling
- alpha 1-Antitrypsin Deficiency

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- Alpha-1-antitrypsin deficiency
- Alzheimer disease
- Aortic Aneurysm
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthritis
- Asthma
- Atherosclerosis
- Brain Diseases
- Breast cancer
- Breast Neoplasms
- Cadaver
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebrovascular Accident
- Chronic Disease
- Cognition
- Colitis
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Crohn Disease
- Delayed Graft Function

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- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Dyslipidemias
- Edema
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hemochromatosis
- Hereditary hemochromatosis
- Hypertension
- Inflammation
- Inflammatory Bowel Diseases
- Intracranial Aneurysm
- Iron Metabolism Disorders
- Jaundice
- Kidney Diseases
- Kidney Failure
- Liver Cirrhosis
- Lung Diseases
- Lung Neoplasms
- Lymphatic Metastasis
- Malaria

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- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Microsatellite Instability
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Osteoporosis
- Parkinson disease
- Peripheral Vascular Diseases
- Pneumonia
- Polycystic kidney disease
- Polycystic Kidney Diseases
- Postoperative Complications
- Pulmonary Disease
- Pulmonary Emphysema
- Recurrence
- Renal Insufficiency
- Respiratory Distress Syndrome
- Severe Acute Respiratory Syndrome
- Skin Neoplasms
- Stomach Neoplasms

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- Stroke
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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