

Human P4HTM (Transmembrane prolyl 4-hydroxylase) ELISA Kit | P4HTM elisa kit

Human P4HTM (Transmembrane prolyl 4-hydroxylase) ELISA Kit

CATALOG #
AAA277543

REACTIVITY
Human

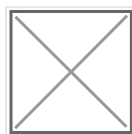
PRODUCT SYNONYMS

P4HTM (Transmembrane prolyl 4-hydroxylase); Human P4HTM (Transmembrane prolyl 4-hydroxylase) ELISA Kit; EGLN4; FLJ20262; HIF prolyl hydroxylase PH4; HIF-PH4; HIF-prolyl hydroxylase 4; HIFPH4; HPH-4; Hypoxia inducible factor prolyl 4 hydroxylase; Hypoxia inducible factor prolyl hydroxylase; Hypoxia-inducible factor prolyl hydroxylase 4; P4H TM; P4H with transmembrane domain; P4H-TM; P4htm; P4HTM_HUMAN; PH 4; PH4; PHD4; Proline 4 hydroxylase; Prolyl 4 hydroxylase transmembrane (endoplasmic reticulum); Prolyl hydroxylase domain containing 4; Transmembrane prolyl 4-hydroxylase; P4HTM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human P4HTM. No significant cross-reactivity or interference between Human P4HTM and analogues was observed.
Assay Type	Sandwich
Detection Range	15.63-1000 pg/mL
Sensitivity	5.7 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P4HTM elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to P4HTM. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to P4HTM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain P4HTM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of P4HTM in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for P4HTM elisa kit

Cardiovascular; Epigenetics and Nuclear Signaling; Cancer

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

