

ARG83299 Human HNMT ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83299 Human HNMT ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human HNMT in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	HNMT
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.9% Inter-Assay CV: 4.7%
Alternate Names	HMT; Histamine N-methyltransferase; EC 2.1.1.8; HNMT-S1; HNMT-S2

Application Instructions

Assay Time	~ 5 hours
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Properties

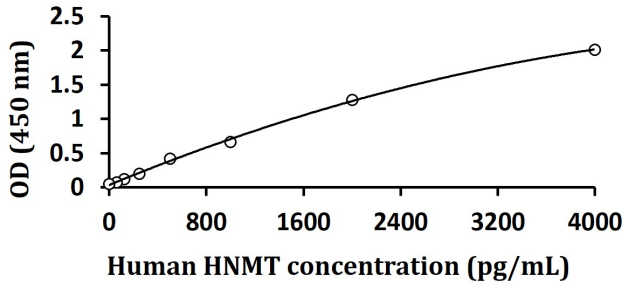
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HNMT
Gene Full Name	histamine N-methyltransferase
Background	In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq, Jul 2008]

Function	Inactivates histamine by N-methylation. Plays an important role in degrading histamine and in regulating the airway response to histamine. [UniProt]
Cellular Localization	Cytoplasm.

Images



ARG83299 Human HNMT ELISA Kit standard curve image

ARG83299 Human HNMT ELISA Kit results of a typical standard run with optical density reading at 450 nm.
