

ARG83344
Human PNP / Purine nucleoside phosphorylase ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83344 Human PNP / Purine nucleoside phosphorylase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PNP / Purine nucleoside phosphorylase 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	PNP / Purine nucleoside phosphorylase
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	31.2 pg/ml - 2000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants.
Alternate Names	EC 2.4.2.1; Purine nucleoside phosphorylase; Inosine-guanosine phosphorylase; PNP; PRO1837; Inosine phosphorylase; PUNP; NP

Application Instructions

Assay Time	~ 5 hours
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Properties

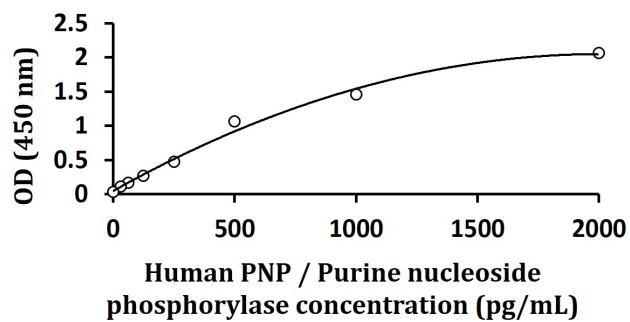
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	PNP
Gene Full Name	purine nucleoside phosphorylase
Background	This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity and antibody responses. Neurologic disorders may also be apparent in patients with immune defects. A known polymorphism at aa position 51 that does not affect enzyme activity has been described. A pseudogene has been identified on chromosome 2. [provided by RefSeq, Jul 2008]

Function	The purine nucleoside phosphorylases catalyze the phosphorolytic breakdown of the N-glycosidic bond in the beta-(deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate. [UniProt]
Research Area	Neuroscience antibody
Cellular Localization	Cytoplasm, cytoskeleton. Cytoplasm

Images



ARG83344 Human PNP / Purine nucleoside phosphorylase ELISA Kit standard curve image

ARG83344 Human PNP / Purine nucleoside phosphorylase ELISA Kit results of a typical standard run with optical density reading at 450 nm.
