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ARG44724
anti-PNP / Purine nucleoside phosphorylase antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PNP / Purine nucleoside phosphorylase
Tested Reactivity	Hu
Tested Application	IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	PNP / Purine nucleoside phosphorylase
Species	Human
Conjugation	Un-conjugated
Alternate Names	EC 2.4.2.1; Purine nucleoside phosphorylase; Inosine-guanosine phosphorylase; PNP; PRO1837; Inosine phosphorylase; PUNP; NP

Application Instructions

Application table

Application	Dilution
IP	10 µg/mL

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

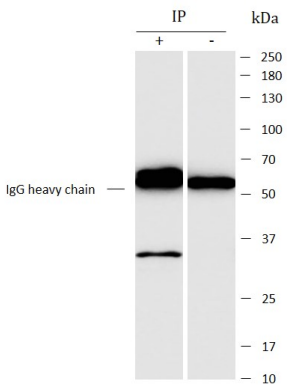
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
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]
Calculated Mw	83 kDa
Cellular Localization	Cytoplasm, cytoskeleton. Cytoplasm

Images



ARG44724 anti-PNP / Purine nucleoside phosphorylase antibody IP image

Immunoprecipitation: HL60 lysate immunoprecipitated with 2.5 µg of ARG44724 anti-PNP / Purine nucleoside phosphorylase antibody.