

Anti-Human PNP DyLight® 488 conjugated Antibody

Catalog Number: A00988-Dyl488

About PNP

The PNP gene encodes purine nucleoside phosphorylase, an enzyme that catalyzes the reversible phosphorolysis of the purine nucleosides and deoxynucleosides inosine, guanosine, deoxyinosine, and deoxyguanosine. It is presented results from gene dosage studies consistent with assignment of the PNP locus to band 14q13. PNP is expressed in most tissues, with markedly greater expression in lymphoid tissues. Genetic deficiencies of PNP result in severely compromised Tlymphocyte function and neurologic dysfunction.

Overview

Product Name	Anti-Human PNP DyLight® 488 conjugated Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human PNP DyLight® 488 conjugated Antibody catalog # A00988-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®488
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P00491

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PNP, different from the related mouse sequence by six amino acids, and from the related rat sequence by five amino acids.
Predicted Reactive Species	Human
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow Cytometry, 1-3ug/1x10⁶ cells

Anti-Human PNP DyLight® 488 conjugated Antibody (A00988-Dyl488) Images

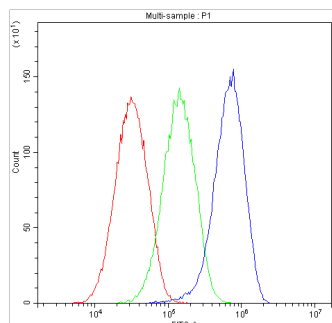


Figure 1. Flow Cytometry analysis of HEPG2 cells using anti-Human PNP antibody (A00988-Dyl488). Overlay histogram showing HEPG2 cells stained with A00988-Dyl488 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Human PNP Antibody (A00988-Dyl488, 1ug/1x10⁶ cells) for 30 min at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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