

Product datasheet for **AM01057RP-N**

ITGB2 Mouse Monoclonal Antibody [Clone ID: PNK-I]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PNK-I
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells in 100 µl.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine large granular lymphocytes. Spleen cells from immunised Balb/c mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line.
Specificity:	This antibody recognises the Porcine homologue of Human CD18. Clone PNK-I immunoprecipitates molecules of 166, 155 and 95 kDa under reducing and non-reducing conditions. Clone PNK-I has been reported to inhibit Porcine NK activity without affecting antibody-dependent cellular cytotoxicity.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA and 5% Sucrose Label: PE State: Lyophilized purified Ig fraction Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water.
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.



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Background: CD18 is an integrin. Integrins are integral cell surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA1, and combines with the alpha M chain to form the integrin Mac1. Integrins are known to participate in cell adhesion as well as cell surface mediated signalling. CD18 is expressed by most leucocytes. Defects in the CD18 gene result in leukocyte adhesion deficiency.

Synonyms: Integrin beta-2, MFI7