

Product datasheet for **AM08057BT-N**

Enpep Rat Monoclonal Antibody [Clone ID: FG35.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FG35.4
Applications:	FC
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.12)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody is specific to BP1 (Ly-51/6C3).
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutamyl aminopeptidase
Database Link:	Entrez Gene 13809 Mouse P16406



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Background:

BP1, also known as Ly51/6C3 antigen, is a type II homodimeric transmembrane glycoprotein formed by two disulfide-linked chains of 140 kDa. (Ref.1,2) Originally identified on the surface of pre-B cell lymphomas (Ref.1,3) the cDNA encoding BP1 has been cloned and found to represent Aminopeptidase A. (Ref.4,5) It is expressed at high levels on bone marrow stromal cell lines which support in vitro B lymphopoiesis and on a wide variety of Mouse tissues known to possess aminopeptidase activity. (Ref.6-8) Subsets of normal bone marrow pre-B and B cells express low levels of BP1, which is rapidly upregulated on pre-B cells in the presence of IL-7. (Ref.9,10)
The BP1 marker is commonly used to identify B cells in different stages of development. (Ref.11)

Synonyms:

EAP, Aminopeptidase A, ENPEP