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Product datasheet for AM08057RP-N

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

Product data:

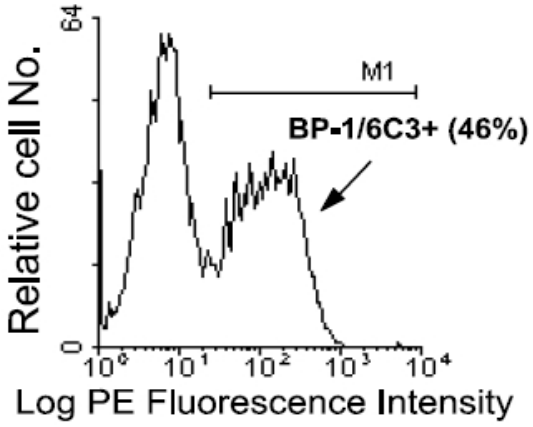
Product Type:	Primary Antibodies
Clone Name:	FG35.4
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** < / = 0.2 µg/10e6 cells. (Ref.12)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody is specific to BP1 (Ly-51/6C3)
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. **DO NOT FREEZE!** 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

View online »

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

Product images:



Immunofluorescent Staining: Cells from BALB/c fetal liver were cultured with IL-7-producing stromal cells for 3 days at 37°C, stained with Rat anti-Mouse BP1/6C3-PE, and analyzed on a FACScan (TM) flow cytometer (BDIS, San Jose, CA). Amount Used: < / = 0.2 ug/10e6 cells.