

Datasheet for ABIN135297
anti-eIF4EBP1 antibody



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1 Image

Overview

Quantity:	0.5 mg
Target:	eIF4EBP1 (EIF4EBP1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This eIF4EBP1 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Unknown
Clone:	FG35-4
Isotype:	IgG1
Specificity:	Mouse BP-1, Mr 140 kDa
Characteristics:	Rat Anti-Mouse BP-1-UNLB
Purification:	Purified

Target Details

Target:	eIF4EBP1 (EIF4EBP1)
Alternative Name:	BP-1 (EIF4EBP1 Products)
Background:	BP-1, also known as Ly-51/6C3 antigen, is a type II homodimeric transmembrane glycoprotein

Target Details

formed by two disulfide-linked chains of 140 kDa. Originally identified on the surface of pre-B cell lymphomas the cDNA encoding BP-1/Ly-51/6C3 has been cloned and found to represent aminopeptidase A. 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. Subsets of normal bone marrow pre-B and B cells express low levels of BP-1/Ly-51/6C3, which is rapidly upregulated on pre-B cells in the presence of IL-7. The BP-1/6C3 marker is commonly used to identify B cells in different stages of development.

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [BCR Signaling](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 1 g/106 cells PE conjugate 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

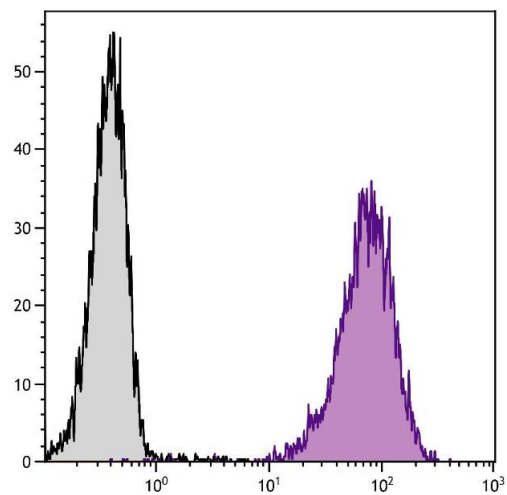
Buffer: 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C



Flow Cytometry

Image 1. Mouse pre-B cell line 18-81 was stained with Rat Anti-Mouse BP-1-PE.