

### 30-2644: Anti-Mouse CD16/CD32 PE (Clone : 93)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	93
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	PE
<b>Gene :</b>	Fcgr2, Fcgr3
<b>Gene ID :</b>	14130
<b>Alternative Name :</b>	CD16, CD32, FcgammaRIII, FCgammaRII, FCGR3, FCGR2,
<b>Isotype :</b>	Rat IgG2a lambda
<b>Immunogen Information :</b>	Murine pre-B cells

#### Description

CD16 (FcgammaRIII) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Unlike human, the murine protein is expressed only as a transmembrane isoform. Also CD32 (FcgammaRII) is a low affinity receptor for IgG, but its affinity is lower than that of CD16. These receptors are expressed on monocytes/macrophages, NK cells, granulocytes, mast cells, dendritic cells, and B cells. Their role is to mediate adaptive immune responses through binding the antibody-antigen immunocomplexes, but their effect on the particular cell differs according to the cell type.

**Specificity :** The rat monoclonal antibody 93 recognizes a common extracellular epitope of murine CD16 (FcgammaRIII) and CD32 (FcgammaRII), the low affinity receptors for IgG.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Content :</b>	0.5 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

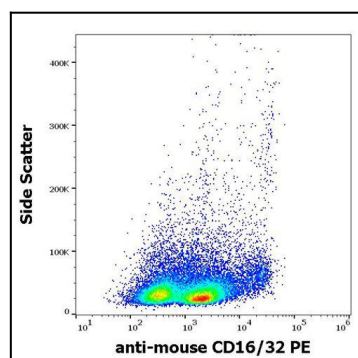


Figure 1 : Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse CD16/32 (93) PE antibody (concentration in sample 5 µg/ml).

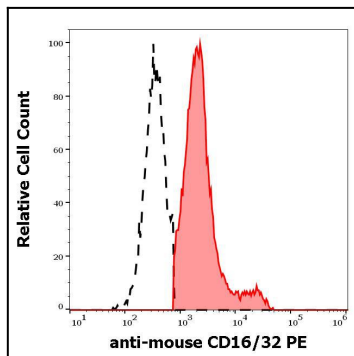


Figure 2 : Separation of murine CD16/32 positive cells (red-filled) from murine CD16/32 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse CD16/32 (93) PE antibody (concentration in sample 5 µg/ml).