

### 30-2754: Anti-Hu CD79b Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	CB3-1
<b>Application :</b>	FACS, IP, WB, IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD79B
<b>Gene ID :</b>	974
<b>Uniprot ID :</b>	P40259
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD79b molecule BCR beta, Ig-beta, B29, IGB
<b>Immunogen Information :</b>	Fraction of Ig-associated molecules isolated from Ramos B cells

#### Description

CD79b (Ig beta, B29) forms disulfide-linked heterodimer with CD79a (Ig alpha, MB1). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling.

**Specificity :** The mouse monoclonal antibody CB3-1 recognizes an extracellular epitope of CD79b (CD79 beta, Ig beta), an approximately 38 kDa component of B cell receptor (BCR) complex.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-5  $\mu$ g/ml.