

## CD37 Monoclonal Antibody

<b>Catalog No :</b>	YM0121
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IF;ELISA
<b>Target :</b>	CD37
<b>Fields :</b>	>>Hematopoietic cell lineage
<b>Gene Name :</b>	CD37
<b>Protein Name :</b>	Leukocyte antigen CD37
<b>Human Gene Id :</b>	951
<b>Human Swiss Prot No :</b>	P11049
<b>Mouse Gene Id :</b>	12493
<b>Mouse Swiss Prot No :</b>	Q61470
<b>Immunogen :</b>	Purified recombinant fragment of CD37 expressed in E. Coli.
<b>Specificity :</b>	CD37 Monoclonal Antibody detects endogenous levels of CD37 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Cell Pathway :</b>	Hematopoietic cell lineage;

- P References :**
1. J Immunol. 2004 Mar 1;172(5):2953-61.
  2. J Immunol. 2007 Jan 1;178(1):154-62.

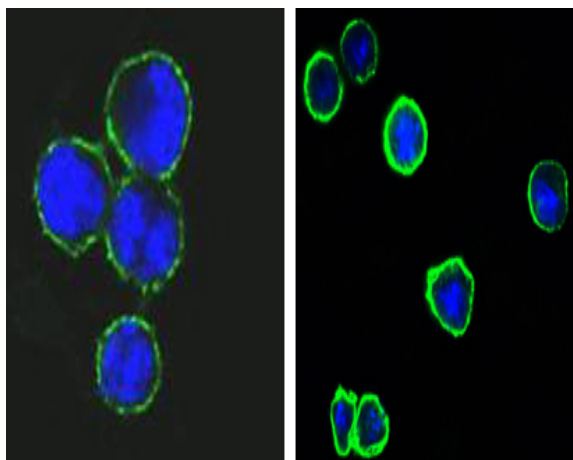
**Background :** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

**Function :** similarity:Belongs to the tetraspanin (TM4SF) family.,tissue specificity:B-lymphocytes.,

**Subcellular Location :** Membrane; Multi-pass membrane protein.

**Expression :** B-lymphocytes.

## Products Images



Confocal immunofluorescence analysis of methanol-fixed BCBL-1 (left) and L1210 (right) cells using CD37 Monoclonal Antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.