

## 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.

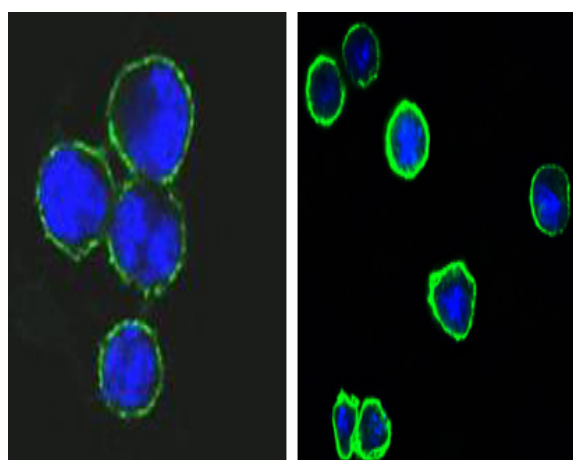
**Sort :** 3565

**No4 :** 1

**Host :** Mouse

**Modifications :** Unmodified

## 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.