

### **CD37 Antibody**

Purified Mouse Monoclonal Antibody Catalog # A01261a

## **Specification**

## **CD37 Antibody - Product Information**

Application IF, WB, IHC Primary Accession P11049

Reactivity Human, Mouse

Host Mouse
Clonality Monoclonal
Isotype IgG1

Calculated MW 31.7kDa KDa

**Description** 

CD37, also known as GP52-40, TSPAN26, MGC120234. Enterz Protein NP\_001035120. It 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.

### **Immunogen**

Purified recombinant fragment of CD37 expressed in E. Coli. <br/> />

## **Formulation**

Ascitic fluid containing 0.03% sodium azide.

## **CD37 Antibody - Additional Information**

### Gene ID 951

### **Other Names**

Leukocyte antigen CD37, Tetraspanin-26, Tspan-26, CD37, CD37, TSPAN26

#### **Dilution**

IF~~1/200 - 1/1000 WB~~1:500~~2000 IHC~~1:200~~1000

## **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

CD37 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



# **CD37 Antibody - Protein Information**

Name CD37

**Synonyms** TSPAN26

**Cellular Location** 

Membrane; Multi-pass membrane protein.

**Tissue Location** B-lymphocytes.

## **CD37 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## CD37 Antibody - Images

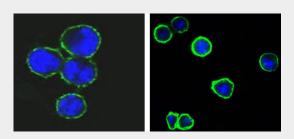


Figure 1: Confocal immunofluorescence analysis of methanol-fixed BCBL-1 (left) and L1210 (right) cells using CD37 mouse mAb(green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.



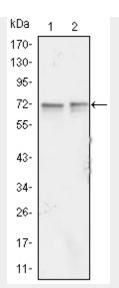


Figure 1: Western blot analysis using FMR1 mouse mAb against Jurkat (1) and K562 (2) cell lysate.

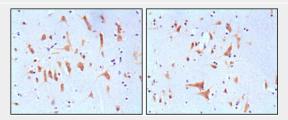


Figure 2: Immunohistochemical analysis of paraffin-embedded human brain tissues, showing cytoplasmic localization with DAB staining using FMR1 mouse mAb.

# **CD37 Antibody - References**

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