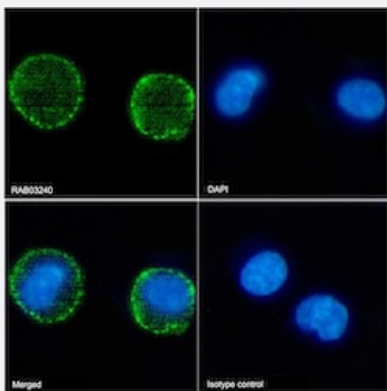


RecomAb™

CD37 recombinant monoclonal antibody, clone MB-1

Catalog # RAB03240 Size 200 ug

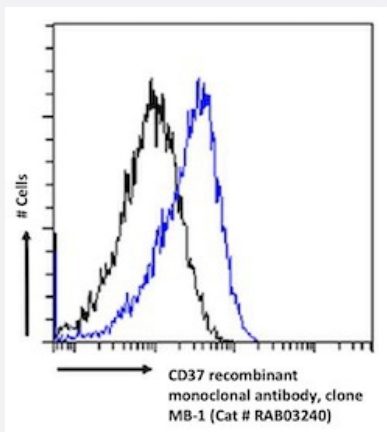
Applications



Immunofluorescence

Immunofluorescent staining of Daudi cells with CD37 recombinant monoclonal antibody, clone MB-1 (Cat # RAB03240).

OX-126 Immunofluorescence analysis of paraformaldehyde fixed Daudi cells stained with the chimeric mouse IgG version of RAB03240 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03240- DAPI- merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (.1) followed by Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of Daudi cells with CD37 recombinant monoclonal antibody, clone MB-1 (Cat # RAB03240).

Daudi cells were stained with anti-unknown specificity antibody (.1; isotype control- black line) or the mouse IgG1 version of RAB03240 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description Mouse recombinant monoclonal antibody raised against human CD37.

Antibody Species Mouse

| | |
|----------------------------|---|
| Immunogen | Original antibody is raised against lymph node cells from a patient with nodular poorly differentiated I lymphocytic lymphoma. |
| Reactivity | Human |
| Form | Liquid |
| Isotype | IgG1 kappa |
| Recommend Usage | Flow Cytometry Immunocytochemistry Immunofluorescence Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS with 0.02% Proclin 300 |
| Storage Instruction | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence

Immunofluorescent staining of Daudi cells with CD37 recombinant monoclonal antibody, clone MB-1 (Cat # RAB03240). OX-126 Immunofluorescence analysis of paraformaldehyde fixed Daudi cells stained with the chimeric mouse IgG version of RAB03240 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03240- DAPI- merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (.1) followed by Alexa Fluor® 488 secondary antibody.

- Flow Cytometry

Flow cytometric analysis of Daudi cells with CD37 recombinant monoclonal antibody, clone MB-1 (Cat # RAB03240). Daudi cells were stained with anti-unknown specificity antibody (.1; isotype control- black line) or the mouse IgG1 version of RAB03240 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Gene Info — CD37

| | |
|--------------------|---|
| Entrez GeneID | 951 |
| Gene Name | CD37 |
| Gene Alias | GP52-40, MGC120234, TSPAN26 |
| Gene Description | CD37 molecule |
| Omim ID | 151523 |
| Gene Ontology | Hyperlink |
| Gene Summary | <p>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]</p> |
| Other Designations | CD37 antigen cell differentiation antigen 37 leukocyte surface antigen CD37 tetraspanin-26 |

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)