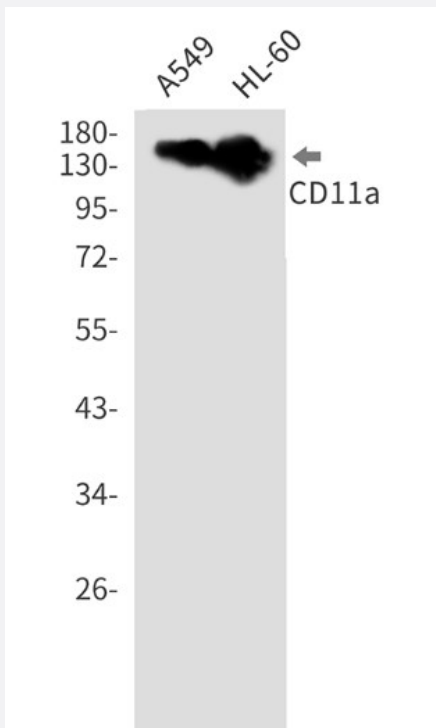


RecomAb™

## CD99 recombinant monoclonal antibody, clone R02-4H1

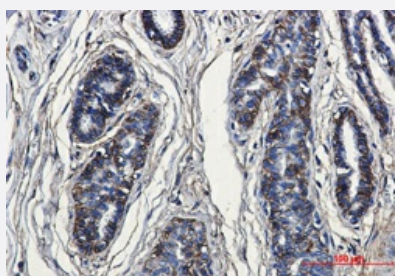
Catalog # RAB01475      Size 100 uL

### Applications



#### Western Blot

Western Blot analysis of A549, HL-60 lysates with CD99 recombinant monoclonal antibody, clone R02-4H1 (Cat # RAB01475).



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using CD99 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

### Specification

#### Product Description

Rabbit recombinant monoclonal antibody raised against human CD99.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human CD99.
Theoretical MW (kDa)	Calculated MW: 19 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of A549, HL-60 lysates with CD99 recombinant monoclonal antibody, clone R02-4H1 (Cat # RAB01475).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using CD99 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

## Gene Info — CD99

Entrez GeneID	<a href="#">4267</a>
Protein Accession#	<a href="#">P14209</a>
Gene Name	CD99
Gene Alias	MIC2, MIC2X, MIC2Y
Gene Description	CD99 molecule
Omim ID	<a href="#">313470</a> <a href="#">450000</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CD99 antigen E2 antigen MIC2 (monoclonal antibody 12E7) OTTHUMP00000022840 T-cell surface glycoprotein E2 antigen identified by monoclonal 12E7, Y homolog antigen identified by monoclonal antibodies 12E7, F21 and O13 surface antigen MIC2

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)