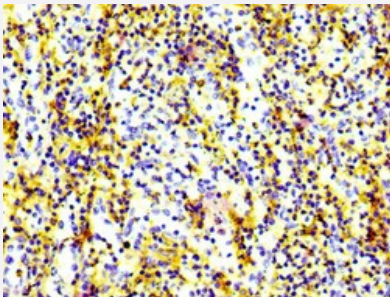


RecomAb™

CD97 recombinant monoclonal antibody, clone 3A7

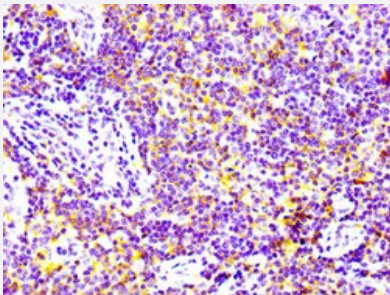
Catalog # RAB04219 Size 100 uL

Applications



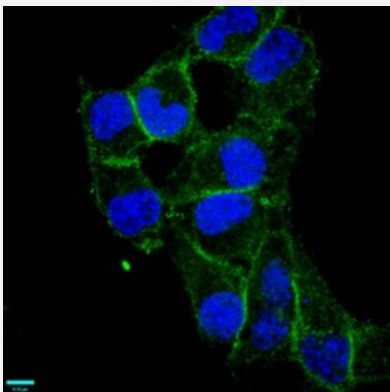
Immunohistochemistry

Immunohistochemical staining of human spleen tissue with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:100).



Immunohistochemistry

Immunohistochemical staining of human lymph node tissue with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:100).



Immunofluorescence

Immunofluorescent staining of HeLa cells with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:87.5). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD97.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CD97.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:30-1:200) Immunohistochemistry (1:50-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °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

- Immunohistochemistry

Immunohistochemical staining of human spleen tissue with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:100).

- Immunohistochemistry

Immunohistochemical staining of human lymph node tissue with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:100).

- Immunofluorescence

Immunofluorescent staining of HeLa cells with CD97 recombinant monoclonal antibody, clone 3A7 (Cat # RAB04219) (diluted at 1:87.5). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD97

Entrez GeneID [976](#)

Protein Accession# [P48960](#)

Gene Name CD97

Gene Alias TM7LN1

Gene Description CD97 molecule

Omim ID [601211](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the EGF-TM7 family of class II seven-span transmembrane (7-TM) molecules, likely encoded by a gene cluster on the short arm of chromosome 19. The encoded product is a glycoprotein that is present on the surface of most activated leukocytes and spans the membrane seven times, which is a defining feature of G protein-coupled receptors. The protein has an extended extracellular region with several N-terminal epidermal growth factor (EGF)-like domains, which mediate binding to its cellular ligand, decay accelerating factor (DAF, CD55), a regulatory protein of the complement cascade. The presence of structural features characteristic of extracellular matrix proteins and transmembrane proteins suggests that this protein is a receptor involved in both cell adhesion and signaling processes early after leukocyte activation. Alternative splicing has been observed for this gene and three variants have been found. [provided by RefSeq]

Other Designations CD97 antigen|leukocyte antigen CD97|seven transmembrane helix receptor|seven-span transmembrane protein|seven-transmembrane, heterodimeric receptor associated with inflammation

Disease

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