

KD-Validated Anti-CD97 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1231**Specification****KD-Validated Anti-CD97 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P48960
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 92 kDa , observed, 40 kDa
Gene Name	KDa ADGRE5
Aliases	ADGRE5; Adhesion G Protein-Coupled Receptor E5; Leukocyte Antigen CD97; TM7LN1; CD97; Seven-Transmembrane, Heterodimeric Receptor Associated With Inflammation; Seven Transmembrane Helix Receptor; Seven-Span Transmembrane Protein; CD97 Molecule; CD97 Antigen
Immunogen	A synthesized peptide derived from human CD97

KD-Validated Anti-CD97 Rabbit Monoclonal Antibody - Additional Information

Gene ID 976

Other Names

Adhesion G protein-coupled receptor E5 {ECO:0000312|HGNC:HGNC:1711}, Leukocyte antigen CD97, CD97, Adhesion G protein-coupled receptor E5 subunit alpha, Adhesion G protein-coupled receptor E5 subunit beta, ADGRE5 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=1711) HGNC:1711

KD-Validated Anti-CD97 Rabbit Monoclonal Antibody - Protein Information**Name** ADGRE5 ([HGNC:1711](#))**Function**

Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9Z0M6}; Multi-pass membrane protein

Tissue Location

Broadly expressed, found on most hematopoietic cells, including activated lymphocytes, monocytes, macrophages, dendritic cells, and granulocytes. Expressed also abundantly by smooth muscle cells. Expressed in thyroid, colorectal, gastric, esophageal and pancreatic carcinomas too.

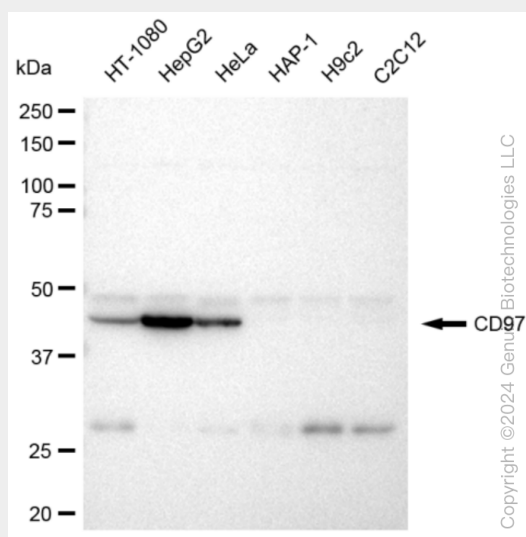
Expression are increased under inflammatory conditions in the CNS of multiple sclerosis and in synovial tissue of patients with rheumatoid arthritis. Increased expression of CD97 in the synovium is accompanied by detectable levels of soluble CD97 in the synovial fluid

KD-Validated Anti-CD97 Rabbit Monoclonal Antibody - Protocols

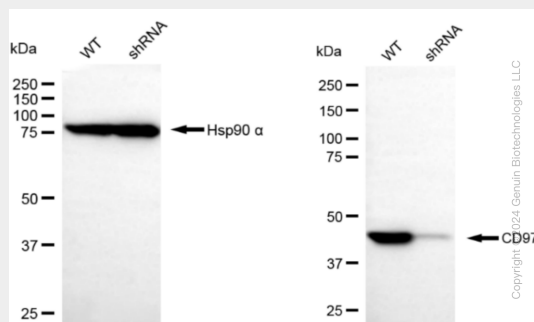
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-CD97 Rabbit Monoclonal Antibody - Images

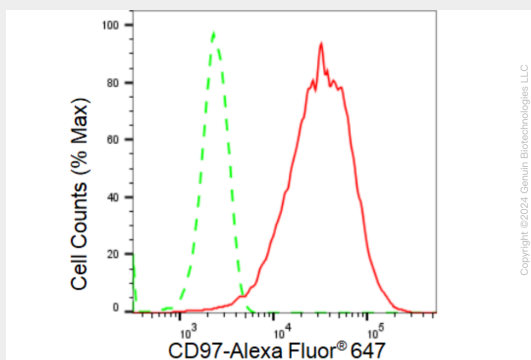


Western blotting analysis using anti-CD97 antibody (Cat#AGI1231). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD97 antibody (Cat#AGI1231, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

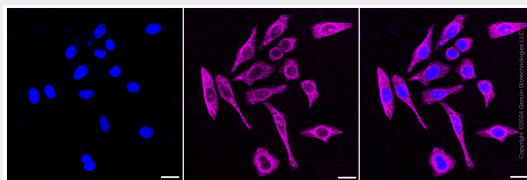


Western blotting analysis using anti-CD97 antibody (Cat#AGI1231). CD97 expression in wild type (WT) and CD97 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves

as a loading control. The blot was incubated with anti-CD97 antibody (Cat#AGI1231, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of CD97 expression in HepG2 cells using CD97 antibody (Cat#AGI1231, 1:2,000). Green, isotype control; red, CD97.



Immunocytochemical staining of HepG2 cells with CD97 antibody (Cat#AGI1231, 1:1,000). Nuclei were stained blue with DAPI; CD97 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.