

# KD-Validated Anti-CD97 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

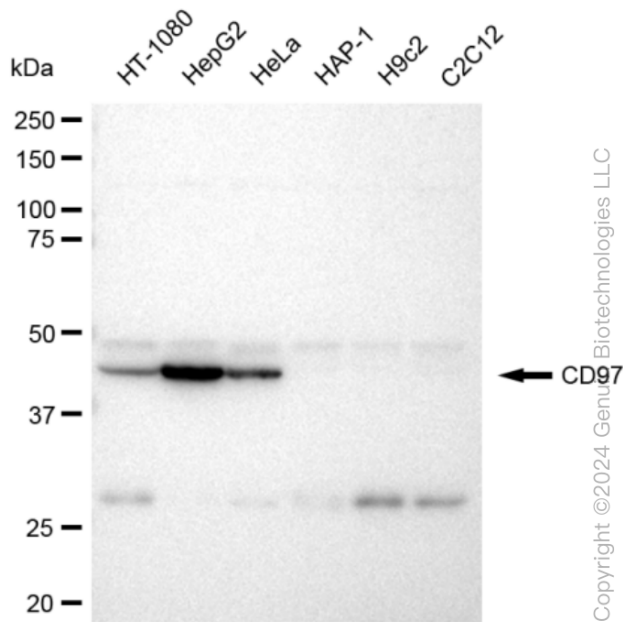
ABG1231

## Product Overview

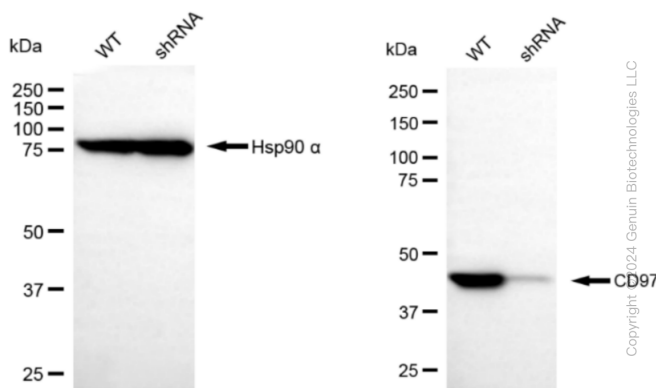
|                             |                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-CD97 Rabbit Monoclonal Antibody                                                            |
| <b>Accession(Primary)</b>   | P48960                                                                                                       |
| <b>Host Species</b>         | Rabbit                                                                                                       |
| <b>Clonality</b>            | Monoclonal                                                                                                   |
| <b>Isotype</b>              | Rabbit IgG                                                                                                   |
| <b>Immunogen</b>            | A synthesized peptide derived from human CD97                                                                |
| <b>Species Reactivity</b>   | Human                                                                                                        |
| <b>Calculated MW</b>        | Predicted, 92 kDa , observed, 40 kDa                                                                         |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                    |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P48960)

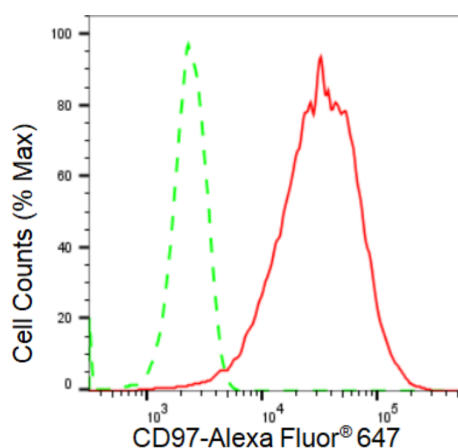
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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | ADGRE5                                                                                                                                                                                                                                                    |
| <b>About Gene Symbol</b> | ADGRE5 (Adhesion G Protein-Coupled Receptor E5) is a membrane receptor involved in adaptive immunity. It is an important research target in inflammatory disease and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



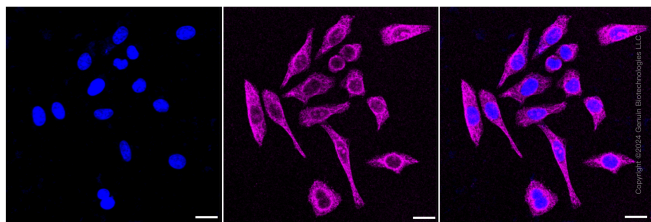
Western blotting analysis using anti-CD97 antibody (Cat#ABG1231). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD97 antibody (Cat#ABG1231, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-CD97 antibody (Cat#ABG1231). 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#ABG1231, 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#ABG1231, 1:2,000). Green, isotype control; red, CD97.



Immunocytochemical staining of HepG2 cells with CD97 antibody (Cat#ABG1231, 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  $\mu$ m.