

## Goat anti-Cd97 (mouse) Antibody

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| <b>Item Number</b>     | dAP-2770  |
| <b>Target Molecule</b> | Principle Name: Cd97 (mouse); Official Symbol: Adgre5; All Names and Symbols: Cd97; CD97 antigen; AA409984; TM7LN1; EGF-TM7 receptor; adhesion G protein-coupled receptor E5; Accession Number (s): NP_036055.2; NP_001156501.1; NP_001156502.1; NP_001156503.1; Human Gene ID(s): ; Non-Human GenelD(s): 26364 (mouse) |
| <b>Immunogen</b>       | TSQTRALRSSES, is from C Terminus<br>This antibody is expected to recognize all reported isoforms (NP_036055.2; NP_001156501.1; NP_001156502.1; NP_001156503.1).   |
| <b>Applications</b>    | Pep ELISA, WB<br><br>Species Tested: Mouse  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.   |
| <b>Supplied As</b>     | Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.                                |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.   |
| <b>Western Blot</b>    | Western Blot: Approx 80kDa band observed in Mouse Thymus and Spleen lysates (calculated MW of 80.2kDa according to NP_001156503.1). The beta chain is detected as a ~30kDa band in Mouse Colon (transgenic overexpressing Cd76 in intestines) and not in the  |
| <b>IHC</b>             |   |
| <b>Reference</b>       | Reference(s): Hoek RM, de Launay D, Kop EN, Yilmaz-Elis AS, Lin F, Reedquist KA, Verbeek JS, Medoff ME, Tak PP, Hamann J. Deletion of either CD55 or CD97 ameliorates arthritis in mouse models. <i>Arthritis Rheum.</i> 2010 Apr;62(4):1036-42.. PMID: 20131275->  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**