

## Goat anti-CD47 Antibody

Item Number	dAP-3142
Target Molecule	Principle Name: CD47; Official Symbol: CD47; All Names and Symbols: CD47; CD47 molecule; IAP; MER6; OA3; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); CD47 glycoprotein; Rh-related antigen; antigen identified by monoclonal antibody 1D8; antigenic surface determinant protein OA3; integrin associ; Accession Number (s): NP_001768.1; NP_942088.1; Human Gene ID(s): 961; Non-Human GeneID(s):
Immunogen	SNQKTIQPPRK, is from internal region (near C terminus) This antibody is expected to recognize both reported isoforms (NP_001768.1; NP_942088.1).
Applications	Pep ELISA, WB  Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 50kDa band observed in Human Hippocampus lysates and 60kDa in lysates of cell lines HeLa and Jurkat (calculated MW of 35.2kDa according to NP_001768.1). The observed molecular weights correspond to glycosylated forms. Recommended con
IHC	
Reference	Reference(s): Azcutia V, Stefanidakis M, Tsuboi N, Mayadas T, Croce KJ, Fukuda D, Aikawa M, Newton G, Luscinskas FW. Endothelial CD47 promotes vascular endothelial-cadherin tyrosine phosphorylation and participates in T cell recruitment at sites of inflammation in vivo. <i>Journal of immunology</i> (Baltimore, Md. : 1950) 2008;180(10):6833-41.

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 ender users! This product is sold for **Research Use Only**