



# Anti-CD97 polyclonal antibody [Biotin] (DPABY-492)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	CD97 is a 95-100 kDa member of the LNB-TM7 protein family that evolved from genes of the secretin receptor superfamily. Molecules in this family are unique hybrid structures consisting of EGF-like modules coupled to class B G-protein 7-transmembrane domains by a glycosylated (mucin) stalk.
<b>Specificity</b>	Detects human CD97 in ELISAs and Western blots. In sandwich ELISAs, less than 0.3% cross-reactivity with recombinant mouse CD97 and recombinant human CD55 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human CD97. Gln21-Gln398 Accession Number NP_001775
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, Flow Cytometry, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None

<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CD97 CD97 molecule [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CD97
<b>Synonyms</b>	CD97; CD97 molecule; TM7LN1; CD97 antigen; leukocyte antigen CD97; seven-span transmembrane protein; seven transmembrane helix receptor; seven-transmembrane, heterodimeric receptor associated with inflammation;
<b>Entrez Gene ID</b>	<a href="#">976</a>
<b>Protein Refseq</b>	<a href="#">NP_001020331</a>
<b>UniProt ID</b>	<a href="#">P48960</a>
<b>Chromosome Location</b>	19p13
<b>Pathway</b>	Class B/2 (Secretin family receptors); GPCR ligand binding; GPCRs, Class B Secretin-like; Signal Transduction; Signaling by GPCR;
<b>Function</b>	G-protein coupled receptor activity; calcium ion binding; protein binding; transmembrane signaling receptor activity;