

## Product datasheet for **TA386337**

### CD53 Rabbit Monoclonal Antibody [Clone ID: HD77]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HD77
Applications:	FC, IF, IHC, IP, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising mice with human leukemia cells.
Specificity:	This antibody is specific for the extracytoplasmic part of human CD53, a pan-leukocyte antigen.

This antibody has applications in the detection of normal and neoplastic white blood cells. This antibody has been used to stain tumour and mononuclear cells for CD53 expression in flow cytometric analysis of samples from ovarian carcinoma patients (Marme et al, 2002), and cells of the colon carcinoma line HT29 (Koretz et al, 1992). In immunohistochemical analysis of frozen tissue sections, this antibody has been shown to react with osteoclasts and osteoclast-like giant cells in malignant fibrous histiocytoma and in benign giant cell tumor of tendon sheath (Mechtersheimer et al, 1990). This antibody has been used to re-immunoprecipitate CD53 from PKC $\alpha$  immunoprecipitates (Zhang et al, 2001).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	CD53 molecule
Database Link:	<a href="#">Entrez Gene 963 Human P19397</a>

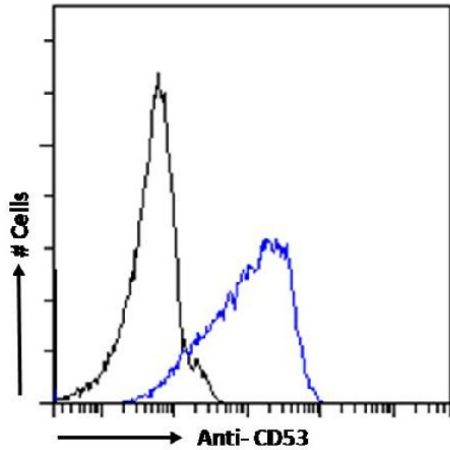


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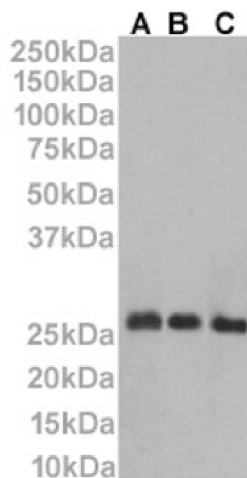
**Synonyms:** MOX44; tetraspanin-25; Tspan-25; TSPAN25

**Note:** This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Product images:**



Flow cytometry using the Anti-CD53 antibody HD77 (TA386337). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of HD77 (TA386337, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Western Blot using anti-CD53 antibody HD77 (TA386337) Human lymph node (A), human thymus (B) and human spleen (C) tissue lysates (35µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HD77 (TA386337) at 0.1 µg/ml, 0.3 µg/ml and 0.5 µg/ml, respectively, before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.