

## Product datasheet for **TA386028**

### CD44 Rabbit Monoclonal Antibody [Clone ID: Hermes-1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Hermes-1
Applications:	Bl, ELISA, FC, IF, IHC, IP, Neutralize, WB
Reactivity:	Human, Mouse, Rat, Goat, Primate, Rabbit, Sheep, Bovine
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was produced by immunizing a Fischer rat with human tonsil lymphocytes ( $10^7$ cells intraperitoneally in Freund's complete adjuvant). A boost was given 2 weeks later (intravascularly in saline).
Specificity:	<p>This antibody is specific for CD44 (gp90 epitope cluster I), which is selectively expressed on normal or transformed lymphoid cells that are able to recognize and bind to high endothelial venules (specialized vessels that mediate lymphocyte exit from the blood into lymphoid organs). Although this antibody was raised against human CD44, it cross-reacts with murine, rat, rabbit, primate, sheep, bovine and goat CD44.</p> <p>This antibody binds CD44, so can be used to label CD44+ cells in flow cytometry analysis. As CD44 molecules are used to bind to high endothelial venules (HEV) at the site of lymphocyte entry to lymphoid organs, this antibody can be used to specifically stain HEV-binding cell lines (Jalkanen, 1986). In addition, this antibody blocks the adhesion of the haematopoietic progenitor cell line KG1 to hyaluronic acid (Bendall, 2003), but does not block lymphocyte binding to HEV (Picker, 1989). 7H9D6 partially blocks the binding of this antibody.</p>
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:	CD44 molecule (Indian blood group)



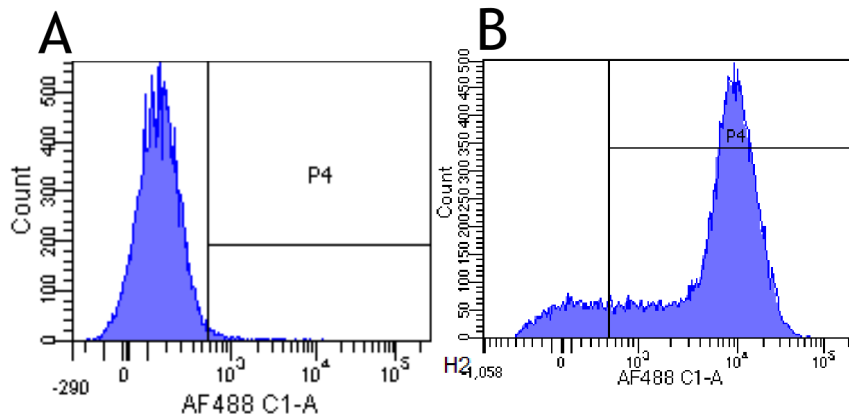
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Database Link: [Entrez Gene 960 Human P16070](#)

Synonyms: CD44R; CDW44; CSPG8; ECMR-III; Epican; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MGC10468; MIC4; MUTCH-I; PGP-1; PGP-I; Pgp1

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

### Product images:



Flow-cytometry using anti-CD44 antibody Hermes-1 (TA386028) Human activated T lymphocytes were stained with an isotype control ([TA385644], panel A) or the rabbit-chimeric version of Hermes-1 (TA386028, panel B) at a concentration of 1  $\mu$ g/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.