# Anti-CD44 [Hermes -3] Standard Size Ab00629-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa
**Clone Number:** Hermes -3
**Alternative Name(s) of Target:** CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; CD44/H-CAM antibody; Hermes 3
**UniProt Accession Number of Target Protein:** P16070
**Published Application(s):** Blocking, ICC, Western blot, ELISA, FC, IF, IHC
**Published Species Reactivity:** Human
**Immunogen:** This antibody was produced by immunizing BALB/c mice with purified Hermes-1 antigen from KCA, a human B lymphoblastoid line that binds preferentially to mucosal HEV.
**Specificity:** This antibody is specific for CD44 (gp90 epitope cluster III). Hermes-3 recognizes Hermes antigen homologues on monkey, goat, and sheep lymphocytes.
**Application Notes:** This antibody has been used in IF, IHC (immunoperoxidase method), cross-blocking and WB studies to characterise the Hermes-defined antigens (Picker, 1989). This antibody is able to block lymphocyte binding to mucosal HEV, without affecting binding to HEV in peripheral lymph nodes and synovium (Jalkanen, 1987). H3-51 is cross-blocked by this antibody, indicating that the epitopes recognized by these two antibodies overlap (Picker, 1989).
**Antibody First Published in:** Jalkanen et al. Lymphocyte recognition of high endothelium: antibodies to distinct epitopes of an 85-95-kD glycoprotein antigen differentially inhibit lymphocyte binding to lymph node, mucosal, or synovial endothelial cells The Journal of Cell Biology, 1987, Vol.105(2), p.983-990 PMID:2442176
**Note on publication:** Describes the original use of this antibody, along with others, to characterise the molecules involved of lymphocyte recognition of HEV.

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## Product Form

**Size:** 200 µg Purified antibody.
**Purification:** Protein A affinity purified
**Supplied In:** PBS with 0.02% Proclin 300.
**Storage Recommendation:** Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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