

Anti-CD44 [Hermes -3] Standard Size Ab00629-10.6

This is a Fab fragment with a his-tag.

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 Fab fragment, His-Tagged, 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.

Product Form

Size: 200 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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.