FITC CONJUGATED MONOCLONAL ANTIBODY TO
MOUSE DNAM-1 (CD226)
close TX92

Catalog no  HM1137F (lot number and expiry date are indicated on the label)

Description  DNAX accessory molecule-1 (DNAM-1) is a 65 kDa type I transmembrane glycoprotein and a member of the immunoglobulin superfamily. DNAM-1 is constitutively expressed on a majority of T cells, NK cells and macrophages. Interaction of DNAM-1 with DNAM-1 ligands CD155 and CD112 induces intercellular adhesion, infiltration and cell signaling, resulting in a variety of cellular responses including innate and adaptive immunities.

Aliases  DNAX accessory molecule-1, Cluster of Differentiation 226, PTA1

Immunogen  BW5417 transfectant expressing mouse DNAM-1, boosted with DNAM-1-fc fusion protein.

Species  Rat IgG2b, kappa

Formulation  1 ml (100 µg/ml) 0.2 µm filtered FITC conjugated antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.

Application  

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N.D. = Not Determined; F = Frozen sections; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IF = Immuno Fluorescence; IP = Immuno Precipitation; P = Paraffin sections; W = Western blot

Application notes  FC: Antibody TX92 stains the extracellular domain of DNAM-1. 
FS: Antibody TX92 has an inhibitory function of DNAM-1 binding to the ligands. It additionally causes partial depletion of PB CD8+ T cells (Ref.1).

References  1. Yamashita, Y et al; Establishment and characterization of a novel anti-DNAM-1 monoclonal antibody, Monoclon Antib immunodiagn Immunother 2013, 32: 60

Use  For flow cytometry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:25. For functional studies, in vitro dilutions have to be optimized in user’s experimental setting.

Storage and stability  Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label

Precautions  For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

Also available  HM1106  Mouse monoclonal antibody against CD155, clone 3F1

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