ALCAM (3H1929): sc-70344



The Power to Question

BACKGROUND

Activated leukocyte cell adhesion molecule (ALCAM), expressed on activated leukocytes T cells, B cells and monocytes, is a member of the immunoglobulin superfamily (IgSF) and identified as a CD6 ligand. CD6 is a type I membrane protein in the scavenger receptor cysteine rich protein superfamily that acts in T cell adhesion and costimulation. ALCAM mediates thymocyte-thymic epithelial cell adhesion via homophilic (ALCAM-ALCAM) and heterophilic (ALCAM-CD6) interactions involving a previously undescribed protein-protein interaction between a member of the scavenger receptor cysteine rich protein superfamily and the immunoglobulin superfamily.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ALCAM (human) mapping to 3q13.2.

SOURCE

ALCAM (3H1929) is a mouse monoclonal antibody raised against thymic epithelial cells of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 200 $\mu g \; lg G_1$ in 1.0 mL PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as PE conjugate for flow cytometry, sc-70344 PE, 100 tests.

Available as fluorescein conjugate for flow cytometry, sc-70344 FITC, 100 tests

APPLICATIONS

ALCAM (3H1929) is recommended for detection of ALCAM of human origin by flow cytometry (1 µg per 1 x 10⁶ cells).

Suitable for use as control antibody for ALCAM siRNA (h): sc-43023.

Molecular Weight of ALCAM: 100-105 kDa.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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