Lymphocyte Marker (5F252): sc-71527



The Power to Question

BACKGROUND

A lymphocyte is a type of white blood cell that plays an important role in the immune system. There are two types of lymphocytes: large granular lymphocytes and small lymphocytes. The large granular lymphocytes are more commonly known as the natural killer cells (NK cells); the small lymphocytes include the T cells and B cells. T cells are mainly responsible for cell-mediated immunity, whereas B cells are primarily responsible for humoral immunity. When an antigen is present, B cells rapidly become metabolically active and differentiate into plasma cells, which secrete large amounts of antibodies. Antigens expressed on sets and subsets of lymphocytes may aid in the identification of these types of cells.

REFERENCES

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SOURCE

Lymphocyte Marker (5F252) is a mouse monoclonal antibody raised against lymphocytes of human origin.

PRODUCT

Each vial contains 500 μl culture supernatant containing lgG_{2b} with <0.1% sodium azide.

APPLICATIONS

Lymphocyte Marker (5F252) is recommended for detection of Lymphocyte Marker of human origin by Western Blotting (starting dilution to be determined by researcher, dilution range 1:10-1:200), immunofluorescence (starting dilution to be determined by researcher, dilution range 1:10-1:200) and immunohistochemistry (including paraffin-embedded sections) (starting dilution to be determined by researcher, dilution range 1:10-1:200).

Molecular Weight of Lymphocyte Marker: 31 kDa.

SELECT PRODUCT CITATIONS

 Chen, Y.H., Fang, S.W. and Jeng, S.S. 2013. Zinc transferrin stimulates red blood cell formation in the head kidney of common carp (*Cyprinus carpio*). Comp. Biochem. Physiol., Part A Mol. Integr. Physiol. 166: 1-7.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

RESEARCH USE

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

PROTOCOLS

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

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