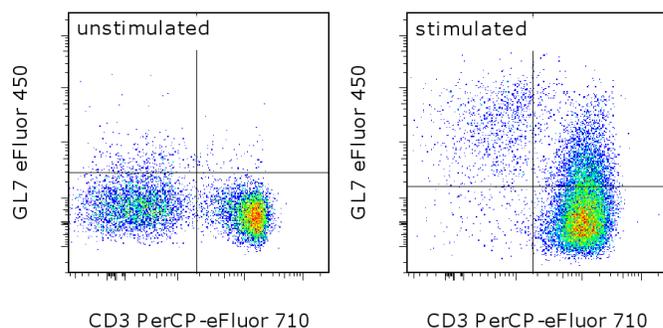


Anti-Human/Mouse GL7 (T and B Cell Activation Marker) eFluor[®] 450

Catalog Number: 48-5902

Also known as: Ly-77, Ly77

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of unstimulated (left) or 3-day Con A-stimulated (right) C57BL/6 splenocytes with Anti-Mouse CD3 PerCP-eFluor[®] 710 (cat. 46-0032) 0.25 ug of Anti-Human/Mouse GL7 (T and B Cell Activation Marker) eFluor[®] 450. Total viable cells were used for analysis.

Product Information

Contents: Anti-Human/Mouse GL7 (T and B Cell Activation Marker) eFluor[®] 450

REF **Catalog Number:** 48-5902

Clone: GL-7 (GL7)

Concentration: 0.2 mg/mL

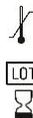
Host/Isotype: Rat IgM

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

This GL7 monoclonal antibody reacts with a cell-surface protein found on T and B lymphocytes activated in vitro, on bone marrow pre-B-II cells, germinal center B cells, and also human B cell lines Ramos and Daudi. There is strain variability with respect to antigen distribution on thymocytes and Con A-activated spleen cells, with expression in BALB/c greater than that in C57BL/6. GL7 is commonly used as a marker for mouse germinal center B cells. The epitope of GL7 has been identified as a sialic acid glycan moiety called Neu5Ac. This moiety is recognized by CD22.

Applications Reported

This GL-7 (GL7) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This GL-7 (GL7) antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

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Related Products

46-0032 Anti-Mouse CD3 PerCP-eFluor® 710 (17A2)

48-4341 Rat IgM Isotype Control eFluor® 450