

Datasheet for ABIN7505954
anti-CD77 antibody (PE)[Go to Product page](#)

1 Image

Overview

Quantity:	100 tests
Target:	CD77
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD77 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD77 PE
Immunogen:	Daudi cell line (Burkitt's lymphoma)
Clone:	38-13
Isotype:	IgM
Specificity:	The rat monoclonal antibody 38.13 recognizes CD77 (globotriaosylceramide Gb3), a neutral glycosphingolipid expressed mainly on the surface of B cell populations, such as germinal center B cells and Burkitt's lymphoma cells.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD77
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Target Details

Abstract: [CD77 Products](#)

Background: CD77 (globotriaosylceramide Gb3), also known as the Pk blood group antigen, BLA (Burkitt's lymphoma associated antigen), or CTH (ceramide trihexoside) is a neutral glycosphingolipid composed of three carbohydrate molecules linked to a lipid moiety in the cell membrane (Gal-alpha1-4Gal-beta1-4Glc-beta1-Cer). It is expressed on germinal center B cells, Burkitt's lymphoma cells, it can be induced on extrafollicular B cells and it is also found on endothelia and epithelia. CD77 may be involved in elimination of germinal center B cells that fail to produce high affinity antibodies, and serves also as receptor for shiga toxin and verotoxin.,globotriaosylceramide Gb3, Gal-alpha1-4Gal-beta1-4Glc-beta1-Cer, P blood group

Application Details

Application Notes: Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Restrictions: For Research Use only

Handling

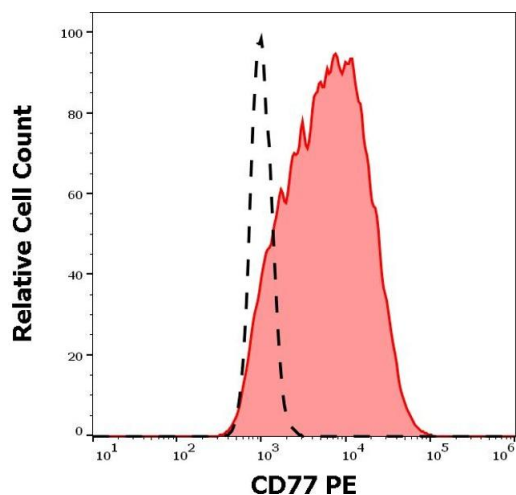
Buffer: Stabilizing Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of RAJI cells stained using anti-human CD77 (38.13) PE antibody (10 μ L reagent per million cells in 100 μ L of cell suspension, red-filled) from RAJI cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 5 μ g/mL, same as CD77 PE concentration, black-dashed) in flow cytometry analysis (surface staining) of RAJI cell suspension.