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30-2548: Anti-Human CD77 Antibody (Clone: 38.13)

Clonality: Monoclonal Clone Name: 38.13

Application : ICC, FACS , IHC(F)

Reactivity: Human Format: Purified

Alternative Name: globotriaosylceramide Gb3, Gal-alpha1-4Gal-beta1-4Glc-beta1-Cer, P blood group

Isotype: Lewis Rat IgM

Immunogen Information: Daudi cell line (Burkitt's lymphoma)

Description

CD77 (globotriaosylceramide Gb3), also known as the Pk blood group antigen, BLA (BurkittÂ'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, BurkittÂ's lymphoma cells, it can be induced on extrafolicular 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.

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.

Product Info

Amount: 0.1 mg

Purification: Purified by protein-A affinity chromatography

Content: 1 mg/ml

Formulation: Phosphate buffered saline (PBS) solution with 15 mM sodium azide

Storage condition : Store at 2-8°C. Do not freeze.

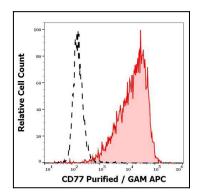


Figure 1 : Separation of RAJI cells stained anti-human CD77 (38.13) Purified antibody (concentration in sample 1,67 μ g/ml, GAR Alexa Fluor® 647, red-filled) from RAJI cells unstained by primary antibody (GAR Alexa Fluor® 647, black-dashed) in flow cytometry analysis (surface staining) of RAJI cell suspension.