## 30-2760: Anti-Hu CD77 PE

| Clonality : | Monoclonal |
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| Clone Name: | 38.13 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | PE |
| Alternative Name : | globotriaosylceramide Gb3, Gal-alpha1-4Gal-beta1-4GIc-beta1-Cer, P blood group |
| Immunogen Information : Daudi cell line (BurkittÂ'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 BurkittA's lymphoma cells.

## Product Info

## Amount :

Purification :

## Content :

Storage condition :

100 Tests
Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Concentration: $1 \mathrm{mg} / \mathrm{ml}$
Storage Buffer: Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Store at $2-8^{\circ} \mathrm{C}$. Protect from prolonged exposure to light. Do not freeze.

## Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using $10 \tilde{A} \square A ̂ \mu l$ reagent / $100 \hat{A} \square A ̂ \mu l ~ o f ~ w h o l e ~$ blood or $10^{6}$ cells in a suspension. The content of a vial ( 1 ml ) is sufficient for 100 tests.

