

### 30-2760: Anti-Hu CD77 PE

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	38.13
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Alternative Name :</b>	globotriaosylceramide Gb3, Gal-alpha1-4Gal-beta1-4Glc-beta1-Cer, P blood group
<b>Immunogen Information :</b>	Daudi cell line (Burkitt's lymphoma)

#### Description

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.

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

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°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  $\mu$ l reagent / 100  $\mu$ l of whole blood or  $10^6$  cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.