

anti-human CD13 PE-conjugated

PE -conjugated monoclonal antibody Q20 to human CD13

Cat-No: **21330134**

500 µl

Clone: Q20

Specificity:

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunised with human myeloblasts of a chronic myeloid leukaemia patient in blast crisis. This antibody has been clustered to CD13 in the third, fourth and fifth International Workshop on Human White Cell differentiation Antigens. The monoclonal antibody is directed against CD13 (aminopeptidase N), which is expressed on almost all myeloid cells, dendritic cells in skin and endothelial cells (molecular mass 150 kDa). The monoclonal antibody reacts with monocytes, granulocytes and with a large number of acute myeloid leukaemias.

Isotype subclass: Mouse IgG2a

Form:

Ascites fluid. Purification: Ammoniumsulphate precipitation and ion exchange chromatography. Conjugation: Conjugated with R-phycoerythrin (PE). Molecular F/P ratio between 1.0 – 2.0.

Physical state: Liquid

Buffer/Additives/Preservative:

PBS containing BSA and 15 mM sodium azide, pH 7.4

Storage conditions:

Store at 4 °C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

Application:

Enumeration of granulocytes, monocytes and their precursors in peripheral blood and identification in lymphoid tissues. Characterization of subtypes of leukaemias and lymphomas. Research of calcium influx with monocytes. Methods: Direct immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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ImmunoTools GmbH - Altenoyther Str. 10; 26169 Friesoythe; Germany
Tel +49-(0)4491-400997, Fax +49-(0)4491-400998, info@immunotools.com
www.immunotools.com