Monoclonal Antibody CD95-PE

PN IM1739 – 50 tests – Liquid – 1 mL – Clone UB2

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY
The CD95 (Fas or APO-1) antigen is a 40-50 kDa transmembrane glycoprotein. It belongs to the nerve growth factor receptor / tumor necrosis factor (NGFR / TNF) superfamily and contains three cysteine-rich repeats. This cell surface molecule mediates apoptosis (1).

CD95 antigen is expressed on a substantial proportion of peripheral CD4+ cells, CD8+ cells and B cells but on a minor proportion of NK cells. It is also expressed variably on granulocytes and monocytes (2).

CD95 is strongly up-regulated on activated T cells, B cells, NK cells and thymocytes (3, 4). Moreover it is widely expressed on cell lines of T, B, NK and myeloid lineage.

The molecular weight of the recognized antigen is 48 kDa.

This antibody recognizes the human Fas antigen specifically and does not recognize mouse Fas antigen.

STATEMENT OF WARNINGS
1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
2. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze. Minimize exposure to light.

REAGENT PREPARATION
No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

PROCEDURE
Flow Cytometry:
20 µL per 5 x 10^5 cells or 20 µL / test.

SELECTED RESEARCH REFERENCES

PRODUCT AVAILABILITY
Conjugated Monoclonal Antibody CD95-PE
PN IM1739 – 50 tests – Liquid – 1 mL

For additional information in the USA, call 800-526-7694. Outside the USA, contact your local Beckman Coulter representative.

www.beckmancoulter.com

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