

Product datasheet for **AM26144RP-N**

CD73 (NT5E) Mouse Monoclonal Antibody [Clone ID: AD2]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | AD2 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry analysis of Human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Specificity: | This antibody recognizes CD73, a 70 kDa GPI-anchored 5'-nucleotidase expressed predominantly on T and B cell subsets, follicular dendritic cells and endothelial cells. |
| Formulation: | stabilizing PBS Label: PE State: Liquid Ig fraction Preservative: 15 mM Sodium Azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. |
| Purification: | Size-Exclusion Chromatography |
| Conjugation: | PE |
| Storage: | Store undiluted at 2-8°C. DO NOT FREEZE! This products is photosensitive and should be protected from light. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | 5'-nucleotidase ecto |
| Database Link: | Entrez Gene 4907 Human P21589 |



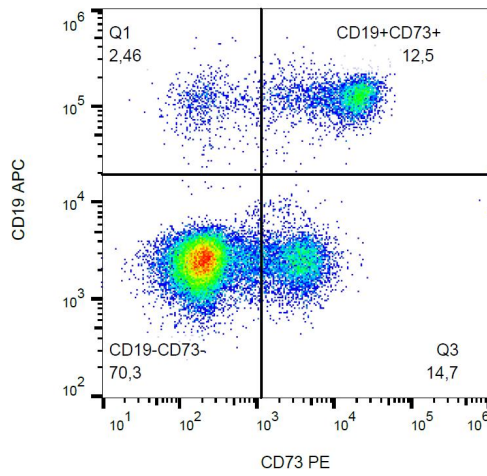
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Background:

CD73 (ecto-5'-nucleotidase) is a 70 kDa glycoprotein anchored to the extracellular leaflet of the plasma membrane by GPI. This ecto-enzyme catalyzes dephosphorylation of AMP to adenosine. CD73 is expressed in various types of cells, such as epithelial, muscle, and endothelial cells, neutrophils, lymphocytes and fibroblasts. Inflammatory mediators support CD73 expression and its enzymatic activity, leading to the release of adenosine, which modulates inflammation through adenosine receptors. CD73 is expressed in a variety of lymphomas and leukemias, including ALL and CLL, whereas immunodeficient patients usually express low levels of this protein.

Synonyms:

NT5, NTE, NT5E

Product images:


Surface staining (flow cytometry) of human peripheral blood with anti-human CD73 (AD2) PE.