

Product datasheet for **AM26803RP-N**

CD70 Mouse Monoclonal Antibody [Clone ID: Ki-24]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ki-24
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:	IgG3
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD70, an approximately 50 kDa type II transmembrane glycoprotein expressed on activated lymphocytes and some B cell leukemias.
Formulation:	Stabilizing Phosphate buffered saline (PBS), pH 7.4 containing 15 mM sodium azide Label: PE State: Liquid purified Ig fraction Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD70 molecule
Database Link:	Entrez Gene 970 Human P32970



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Background: CD70, also known as TNFSF7 or CD27L, is a 50 kDa type II transmembrane glycoprotein of the TNF superfamily. It is expressed mainly on activated lymphocytes, including NK cells, and forms trimeric structure. CD70 plays a role in T-cell activation, proliferation and differentiation, in enhancing the generation of cytolytic T cells, and in long-term maintenance of T cell memory. It is also involved in B cell differentiation induced by activated plasmacytoid dendritic cells, which also express CD70.

Synonyms: CD27 ligand, CD27L, CD27LG, TNFSF7