

ARG42337
anti-CD70 antibody [Ki-24] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [Ki-24] recognizes CD70
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody Ki-24 recognizes an extracellular epitope of CD70, an approximately 50 kDa type II transmembrane glycoprotein expressed on activated lymphocytes and some B cell leukemias.
Host	Mouse
Clonality	Monoclonal
Clone	Ki-24
Isotype	IgG3, kappa
Target Name	CD70
Species	Human
Immunogen	Human CD70.
Conjugation	PE
Alternate Names	CD27 ligand; CD70 antigen; Tumor necrosis factor ligand superfamily member 7; CD antigen CD70; CD27L; CD27-L; TNFSF7; CD27LG

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

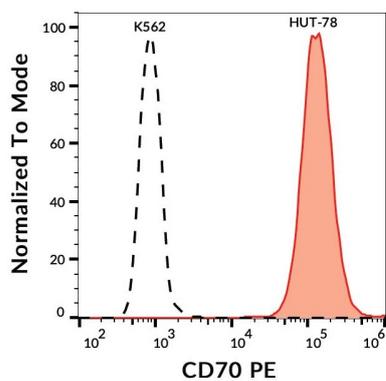
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD70
Gene Full Name	CD70 molecule
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. [provided by RefSeq, Jul 2008]
Function	Cytokine which is the ligand for CD27. The CD70-CD27 pathway plays an important role in the generation and maintenance of T cell immunity, in particular during antiviral responses. Upon CD27 binding, induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells. [UniProt]
Calculated Mw	21 kDa
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG42337 anti-CD70 antibody [Ki-24] (PE) FACS image

Flow Cytometry: HUT-78 cells (red-filled) and K562 cells (black-dashed, negative sample) stained with ARG42337 anti-CD70 antibody [Ki-24] (PE).