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Product datasheet for CF812375

CD94 (KLRD1) Mouse Monoclonal Antibody [Clone ID: OTI8E10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8E10
Applications:	FC
Recommended Dilution:	FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 32-179+Mouse FC of human KLRD1 (NP_002253) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.3 kDa
Gene Name:	killer cell lectin like receptor D1
Database Link:	NP_002253 Entrez Gene 3824 Human Q13241

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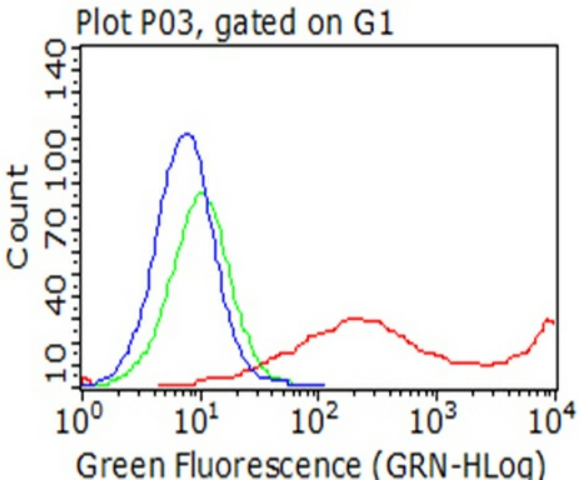
Background: Natural killer (NK) cells are a distinct lineage of lymphocytes that mediate cytotoxic activity and secrete cytokines upon immune stimulation. Several genes of the C-type lectin superfamily, including members of the NKG2 family, are expressed by NK cells and may be involved in the regulation of NK cell function. KLRD1 (CD94) is an antigen preferentially expressed on NK cells and is classified as a type II membrane protein because it has an external C terminus. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms: CD94

Protein Families: Transmembrane

Protein Pathways: Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity

Product images:



Flow cytometric analysis of living 293T cells transfected with KLRD1 overexpression plasmid ([RC206991]), Red)/empty vector ([PS100001], Blue) using anti-KLRD1 antibody ([TA812375]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).