

Product datasheet for **SM2260R**

KLRC4-KLRK1 Mouse Monoclonal Antibody [Clone ID: 1D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1D11
Applications:	FC
Recommended Dilution:	Flow Cytometry (Neat-1/10): Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NKL cells. Spleen cells from immunised RBF/DnJ mice were fused with cells of the p3 mouse myeloma cell line.
Specificity:	This antibody is specific for CD314 also known as natural killer receptor G2 (NKG2D) and as killer cell lectin-like receptor subfamily K, member 1 (KLRK1). Clone 1D11 is reported to inhibit T cell recognition of MICA (1,6). We recommend the use of SM2260LE for such studies.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution 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:	KLRC4-KLRK1 readthrough



[View online »](#)

Database Link: [Entrez Gene 100528032 Human P26718](#)

Background: CD314 is a C-type lectin-like activating receptor which is expressed on most natural killer (NK) cells, CD8 T cells and gamma delta T cells. CD314 forms homodimers that signal through an associated DAP10 adaptor protein. Ligands of CD314 include MICA, MICB and UL16 binding protein (ULBP), which are inducibly expressed. Ligand binding to CD314 results in NK cell activation and potent costimulation of effector T cells.

Synonyms: D12S2489E, NKG2D, NK cell receptor D