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## 30-2069: Anti-CD314 Monoclonal Antibody (Clone:1D11)-FITC Conjugated

Clonality: Monoclonal

Clone Name: 1D11

**Application :** FACS, IP, IHC-Fr, Functional Assay

Reactivity: Human
Conjugate: FITC
Gene: KLRK1
Gene ID: 22914
Uniprot ID: P26718

Alternative Name: KLRK1, D12S2489E, NKG2D

**Isotype:** Mouse IgG1 **Immunogen Information:** NKL cell line

## **Description**

CD314, also known as NKG2D (natural killer receptor G2D) or KLRK1 (killer cell lectin-like receptor subfamily K, member 1), is a homodimeric C-type lectin-like activating receptor and costimulator with type II membrane orientation (C teminus extracellular). CD314 homodimers are associated with DAP10, a membrane adaptor protein that signals similar to CD28 by recruitment of phosphatidylinositol 3-kinase. Engagement of CD314 amplifies antigen-specific T cell responses in CD314-positive T cell populations. In NK cells, CD314 is a primary activating receptor. As CD314 ligands the MHC class-I chain-related proteins A and B (MICA, MICB) and UL16-binding proteins (ULBPs) have been identified.

## **Product Info**

Amount: 100 tests

**Storage condition:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

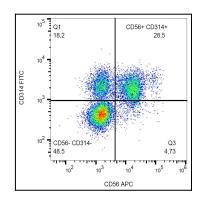


Figure 1: Surface staining of human peripheral blood with anti-human CD314 (1D11) FITC.