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## 30-1458: Anti-CD314 Monoclonal Antibody (Clone:1D11)

Clonality: Monoclonal

Clone Name: 1D11
Application: FACS
Reactivity: Human
Gene: KLRK1
Gene ID: 22914
Uniprot ID: P26718
Format: Purified

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: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Flow Cytometry Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application blocking of ligand binding