

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1D11
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	KLRK1
<b>Gene ID :</b>	22914
<b>Uniprot ID :</b>	P26718
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KLRK1,D12S2489E,NKG2D
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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 terminus 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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

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