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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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.