



Product Datasheet
CD314 monoclonal antibody (APC)
Catalogue Code: AGIM0103

Antibody Data

Product SKU:	AGIM0103	Clone	1D11
Applications:	FC	Conjugate	APC
Reactivity:	Human		

Immunogen Information:

Host Species: Mouse

Isotype: IgG1

Storage: Store at 4 °C. Avoid prolonged exposure to light.

Background:

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