

30-2304: Anti-CD314 Monoclonal Antibody (Clone:1D11)-PE Conjugated

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| Clonality : | Monoclonal |
| Clone Name : | 1D11 |
| Application : | FACS, IP, IHC-Fr, Functional Assay |
| Reactivity : | Human |
| Conjugate : | PE |
| 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 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

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| Amount : | 100 tests |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |