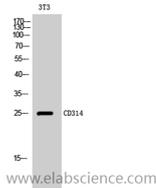


CD314 Polyclonal Antibody

Catalog No.	E-AB-30821	Reactivity	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western Blot analysis of 3T3 cells with CD314 Polyclonal Antibody.

Immunogen Information

Immunogen	Synthesized peptide derived from the Internal region of human CD314
Swissprot	P26718
Synonyms	KLRK1,D12S2489E,NKG2D,NKG2-D type II integral membrane protein,Killer cell lectin-like receptor subfamily K member 1,NK cell receptor D,NKG2-D-activating NK receptor,CD antigen CD314

Product Information

Calculated MW	25kDa
Observed MW	25kDa
Buffer	PBS with 0.02% sodium azide,0.5% BSA and 50% glycerol pH 7.4.
Purify	Affinity purification
Dilution	WB 1:500-1:2000, ELISA 1:10000

Background

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. This gene encodes a member of the NKG2 family. The encoded transmembrane protein is characterized by a type II membrane orientation (has an extracellular C terminus) and the presence of a C-type lectin domain. It binds to a diverse family of ligands that include MHC class I chain-related A and B proteins and UL-16 binding proteins, where ligand-receptor interactions can result in the activation of NK and T cells. The surface expression of these ligands is important for the recognition of stressed cells by the immune system, and thus this protein and its ligands are therapeutic targets for the treatment of immune diseases and cancers. Read-through transcription exists between this gene and the upstream KLRC4 (killer cell lectin-like receptor subfamily C, member 4) family member in the same cluster.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.