

32-9052: Recombinant Human NKG2-A/NKG2-B Type II Integral Membrane Protein(N-His)

Alternative Name : NKG2-A/NKG2-B type II integral membrane protein; CD159 antigen-like family member A; NK cell receptor A; NKG2-A/B-activating NK receptor; CD159a; KLRC1; NKG2A

Description

Source : Human Cells;

NKG2-A/NKG2-B Type II Integral Membrane Protein contains 1 C-type lectin domain and is a member of the killer cell lectin-like receptor family. The killer cell lectin-like receptor family is a group of transmembrane proteins mainly expressed in NK cells. Members of this proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. NKG2 is expressed only in NK-cells, but not in T-cells or B-cells. Studies showed that NKG2 represents a family of related cDNA clones, designated NKG2A, NKG2B, NKG2C, and NKG2D, which encode type II integral membrane proteins (extracellular C-terminus) containing a C-type lectin domain. NKG2 acts as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. NKG2A and NKG2B have been given the designation CD159a in the nomenclature of CD antigens. The increased expression of NKG2A in tumor infiltrating NK cells is emerging as a contributor in determining the poor prognosis of hepatocellular, lung or other carcinomas and in some cases may be a predictive factor of tumor metastasis.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of PB, pH7.4

Amino Acid : Recombinant Human NKG2-A/NKG2-B Type II Integral Membrane Protein is produced by our Mammalian expression system and the target gene encoding Arg100-Leu233 is expressed with a 8His tag at the N-terminus.