

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

CD319 Recombinant Protein

Catalog: BCP3451

Host: E.coli

Tag:

His-tag

BackGround:

CRACC/SLAMF7/CD319 (also known as CS1) is a member of the signaling lymphocytic activation molecule (SLAM) family. It is a single-pass type I transmembrane glycoprotein expressed on NK cells, subsets of mature dendritic cells, activated B and T lymphocytes, but not in promyelocytic B or T cell lines. Expression of this protein has been detected in the spleen, lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung, and trachea. Homophilic interactions of CRACC/SLAMF7/CD319 modulate the activity and differentiation of immune cells. CRACC/SLAMF7/CD319 may function as an inhibitory or activating receptor in immune cells depending on cellular context and availability of adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. In the presence of SH2D1B/EAT-2, CRACC/SLAMF7/CD319 activates NK cells and B cells. T cells lack SH2D1B/EAT-2 expression, and therefore CRACC/SLAMF7/CD319 acts as an inhibitory receptor. In LPS-activated monocytes, CRACC/SLAMF7/CD319 negatively regulates production of proinflammatory cytokines. CRACC/SLAMF7/CD319 is upregulated in multiple myeloma and is implicated in the uncontrolled proliferation of these cells, and thus has become the target for therapeutic intervention. Seven isoforms of CRACC/SLAMF7/CD319 produced by alternative splicing have been identified.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~25kDa

Swiss-Prot:

Q9NQ25

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

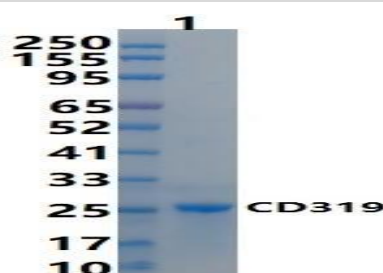
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.