CD319 Recombinant Protein

Catalog: NCP0319 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 l 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

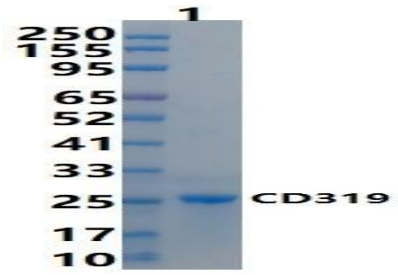
Storage&Stability:

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

Expression Vector:

pet-22b(+)

DATA:



Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151