

Siglec-1/CD169 Protein, Pig, Recombinant (His & Myc)

General Information

Synonyms:	SIGLEC1;Sialoadhesin;Sialic acid-binding Ig-like lectin 1 (Siglec-1);SN;SA;p210;pSn
Protein Construction:	20-153 aa
Species:	Sus scrofa (Pig)
Expression Host:	E. coli
Accession:	A7LCJ3
Molecular Weight:	22.3 kDa (predicted)
AA Sequence:	SWTVSRPETVQGIKGSCLIPCTFGFPANVEVPHGITAIWYYDYSKRLVVSRSRNPKVVENHFQGRALLGQA EQRTCSLLKDLQPQDSGSYNFRFEISEGNRWSVDKGTVVTVTEVPSVPTIALPAKLHEG

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid. Binds to SPN/CD43 on T-cells. May play a role in hemopoiesis. Acts as an endocytic receptor mediating

clathrin dependent endocytosis. In case of porcine reproductive and respiratory syndrome virus (PRRSV), mediates virion attachment and internalization into alveolar macrophages through a clathrin-coated dependent process.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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