



# Recombinant Protein Technical Manual

**Recombinant Human SIGLEC9/CD329 Protein (Fc Tag)**  
RPES4968

## Product Data:

**Product SKU:** RPES4968

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9Y336

## Protein Information:

**Molecular Mass:** 63.2 kDa

**AP Molecular Mass:** 83 kDa

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Sialic acid-binding Ig-like lectin 9;Siglec-9;CDw329;Protein FOAP-9;SIGLEC9

## Immunogen Information:

**Sequence:** Gln18-Gly348

## Background:

Sialic acid-binding Ig-like lectin 9 (Siglec 9) is expressed by peripheral blood leukocytes (neutrophils and monocytes but not eosinophils), and found in liver, fetal liver, bone marrow, placenta, spleen and in lower levels in skeletal muscle, fetal brain and so on. It is a putative adhesion molecule that mediates sialic-acid dependent binding to cells. It also binds to alpha-2,3- or alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.