

## Siglec-3/CD33 Protein, Human (HEK293, His)

Cat. No.:	HY-P73644
Synonyms:	Myeloid Cell Surface Antigen CD33; Siglec-3; gp67; CD33; SIGLEC3
Species:	Human
Source:	HEK293
Accession:	AAH28152 (D18-H259)
Gene ID:	945
Molecular Weight:	40-46 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 10 mM NaH <sub>2</sub> PO <sub>4</sub> , 2 mM EDTA, 150 mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Siglec-3/CD33, a sialic-acid-binding immunoglobulin-like lectin, plays a crucial role in mediating cell-cell interactions and maintaining immune cells in a resting state. It exhibits a preference for binding sialic acid on the short O-linked glycans of specific mucins. The protein forms homodimers through disulfide linkages and interacts with signaling molecules such as PTPN6/SHP-1 and PTPN11/SHP-2 upon phosphorylation. Additionally, CD33 engages with C1QA via its C-terminus, leading to the activation of CD33 inhibitory motifs.
------------	---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA