

Siglec-15 Protein, Human (HEK293, His-Avi)

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| Cat. No.: | HY-P78515 |
| Synonyms: | CD33 molecule-like 3; CD33L3; HsT1361; Siglec15; CD33 antigen-like 3; SIGLEC-15 |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q6ZMC9 (F20-T263) |
| Gene ID: | 284266 |
| Molecular Weight: | 30-38 kDa |

PROPERTIES

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| Biological Activity | Immobilized Human Siglec-15, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Siglec-15 Antibody, hFc Tag with the EC ₅₀ of 4.6ng/ml determined by ELISA. |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.22 µm filtered solution of 20 mM NaAC, pH 5.0. Normally 8% trehalose is added as protectant before lyophilization. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in 20mM NaAC, pH 5.0. |
| 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

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| Background | The Siglec-15 Protein plays a crucial role in cellular interactions by selectively binding to sialylated glycoproteins, indicating a specific affinity for molecules with sialic acid residues. Additionally, Siglec-15 engages in molecular associations with TYROBP and HCST, suggesting its involvement in intricate signaling pathways. This ability to interact with key signaling partners underscores Siglec-15's potential significance in mediating immune responses and cellular communication. The specific recognition of sialylated glycoproteins highlights the protein's role in recognizing and responding to cell surface modifications, contributing to the complex network of cellular interactions. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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