

## Siglec-10 Protein, Cynomolgus, Recombinant (His & Avi), Biotinylated

### General Information

Protein Construction: Thr17-Asn552

Species: Cynomolgus

Expression Host: HEK293 Cells

Accession: A0A2K5WBX8

Molecular Weight: 61.71 kDa (Predicted); 72-82 kDa (Reducing condition, due to glycosylation)

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

Purity: > 95% as determined by Bis-Tris PAGE

Endotoxin: < 1 EU/ $\mu$ g of the protein as determined by the LAL method.

Formulation: Supplied as 0.22  $\mu$ m filtered solution in 25 mM MES, 150 mM NaCl, 0.5M Arginine (pH 5.0).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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

Siglec-10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. It is also reported to bind to Vascular adhesion protein 1 (VAP-1) and to the co-stimulatory molecule CD24 also known as HSA (Heat-stable antigen). Siglecs (sialic acid binding Ig-like lectins) are I-type lectins that belong to the immunoglobulin superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by a varying number of Ig-like C2-type domains. Siglecs 5-11 constitute the CD33/Siglec-3 related group, and are differentially expressed in the hematopoietic system.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481