

**Synonym**

Siglec-8,SAF-2,SIGLEC8,SAF2

**Source**

Human Siglec-8, His Tag(SI8-H52H8) is expressed from human 293 cells (HEK293). It contains AA Met 17 - Ala 363 (Accession # [Q9NYZ4-1](#)). Predicted N-terminus: Met 17

**Molecular Characterization**

|  |          |
|--|----------|
| Siglec-8(Met 17 - Ala 363)<br>Q9NYZ4-1 | Poly-his |
|--|----------|

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 39.7 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a dimer.

**Endotoxin**

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS with Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

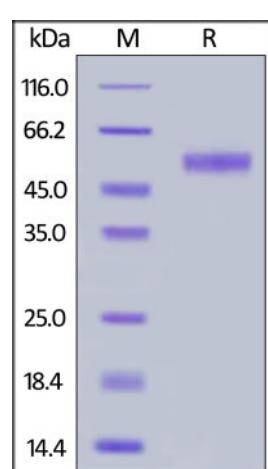
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

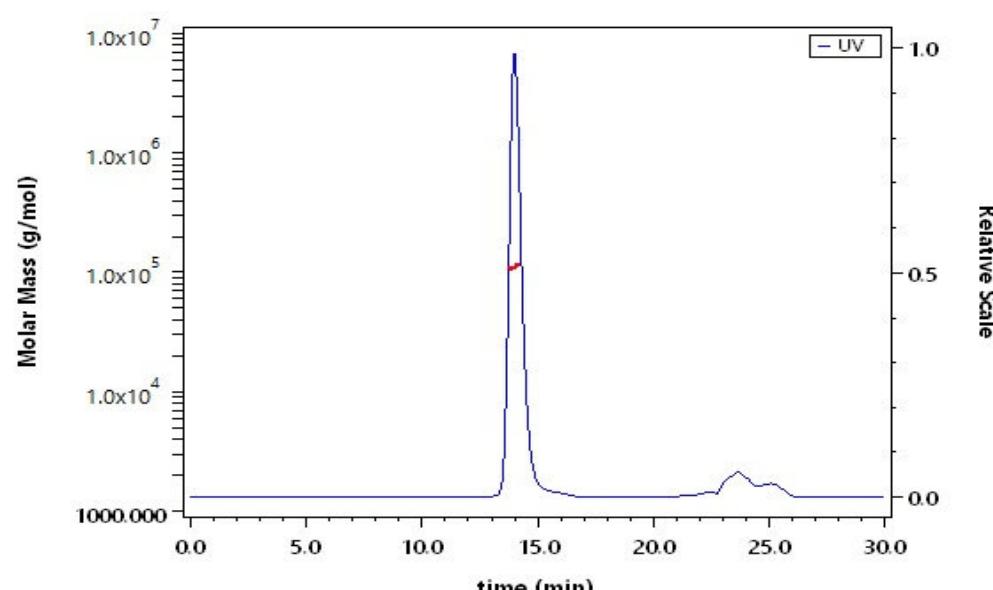
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human Siglec-8, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

**SEC-MALS**

The purity of Human Siglec-8, His Tag (Cat. No. SI8-H52H8) is more than 85% and the molecular weight of this protein is around 102-125 kDa verified by SEC-MALS.

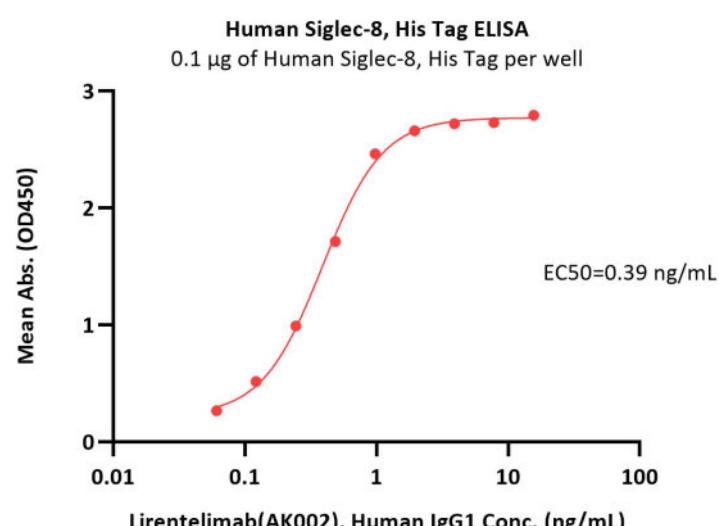
[Report](#)

**Bioactivity-ELISA**

Discounts, Gifts,  
and more!



» [www.acrobiosystems.com](http://www.acrobiosystems.com)



Immobilized Human Siglec-8, His Tag (Cat. No. SI8-H52H8) at 1 µg/mL (100 µL/well) can bind Lirentelimab(AK002), Human IgG1 with a linear range of 0.06-1 ng/mL (QC tested).

## Background

Siglec-8 is also known as SIGLEC8, SAF2, SIGLEC-8, SIGLEC8L and sialic acid binding Ig like lectin 8. Siglec-8 was first identified by CD33 homology screening of ESTs from a cDNA library generated from a patient diagnosed with idiopathic hypereosinophilic syndrome and was originally termed SAF-2 (sialoadhesin family 2). At the tissue level, Siglec-8 mRNA was found to be most highly expressed in lung, PBMCs, spleen, and kidney. Two splice variants of Siglec-8 exist. The initially characterized form contains 431 amino acid residues in total, subsequently, a longer form of Siglec-8, initially termed Siglec-8L. Both forms of Siglec-8 are found in eosinophils and contain a V-set domain with lectin activity and two C2-type Ig repeat domains in the extracellular region.

**Discounts, Gifts,  
and more!**



» [www.acrobiosystems.com](http://www.acrobiosystems.com)