

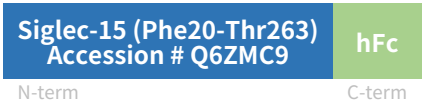
Rev04
Update: Mar,01,2022

DATASHEET

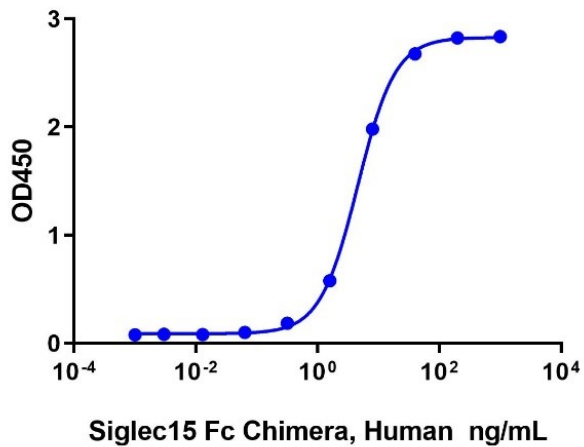
Siglec-15 Fc Chimera, Human

Cat. No.: Z03571

Product Introduction

Species	Human
Protein Construction	
Purity	> 90% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Biological Activity	Immobilized Anti-Siglec15 at 1.0 μg/ml (100 μl/well) can bind Siglec-15, hFc, Human with a EC ₅₀ = 5.184 ng/ml and a linear range of 0.064–200.0 ng/ml when detected by Mouse Anti-Human IgG Fc-HRP.
Expression System	HEK 293
Apparent Molecular Weight	~54.3 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Examples



Immobilized Anti Siglec15 at 1 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind Siglec15 Fc Chimera, Human with a $\text{EC}_{50} = 5.184 \text{ ng/ml}$ and a linear range of 0.064–200 ng/ml when detected by Mouse Anti-Human IgG Fc-HRP. Background was subtracted from data points before curve fitting.

Background

Target Background : Siglec-15 preferentially recognizes the Neu5Acalpha2-6GalNAcalpha- structure. Siglec-15 associates with the activating adaptor proteins DNAX activation protein (DAP)12 and DAP10 via its lysine residue in the transmembrane domain. Siglec-15 is the second human Siglec identified to have an activating signaling potential; unlike Siglec-14, however, it does not have an inhibitory counterpart.

Synonyms : CD33L3; HsT1361; SIGLEC-15

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.