

Siglec-15 Protein, Mouse (Biotinylated, HEK293, His)

Cat. No.:	HY-P78208
Synonyms:	CD33 molecule-like 3; CD33L3; HsT1361; Siglec15; CD33 antigen-like 3; SIGLEC-15
Species:	Mouse
Source:	HEK293
Accession:	A7E1W8 (R24-T262)
Gene ID:	620235
Molecular Weight:	35-43 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM PB, 0.5M NaCl, 0.1M L-Arginine, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Siglec-15, a Siglec family member and type-1 transmembrane protein, is constitutively expressed in osteoclasts, macrophages and dendritic cells. Siglec-15 acts upstream of or within regulation of actin cytoskeleton organization. Siglec-15 deficiency can promote bone formation and reduce bone resorption, indicating that Siglec-15 plays a pivotal role in the development and differentiation of osteoclastogenesis and may serve as a target to inhibit bone resorption and promote bone remodeling that increases bone mass. Siglec-15 is a predominantly macrophage-mediated suppressor of T cell responses. In tumors, Siglec-15 is negatively regulated by IFN-γ, thus influencing effector T cell-mediated antitumor immunity. Genetic ablation or antibody blockade of Siglec-15 amplifies anti-tumor immunity in the TME and inhibits tumor growth in some mouse models. Siglec-15 as a potential target for normalization cancer immunotherapy ^{[1][2][3][4]} .
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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

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