



## **Sambucus sieboldiana [SSA] , Sambucus sieboldiana - Biotin**

<b>Origin</b>	Japanese Elderberry ( <i>Sambucus sieboldiana</i> )
<b>Sugar Specificity</b>	Sia $\alpha$ 2-Gal / GalNAc
<b>Mitogen Activity</b>	Non
<b>Blood Specificity</b>	Th
<b>Structure</b>	Glycoprotein with a molecular weight of 160,000. A tetramer composed of subunits with a molecular weight of 28,000-38,000 (1). The bond between subunits is a disulfide bond. SSA monovalent monomers have been prepared and reported to be applied to flow cytometry (2).
<b>Feature</b>	This binds to mucin-type and asparagine-type sugar chains that have $\alpha$ 2-6-linked sialic acid. Does not bind to $\alpha$ 2-3 linked sialic acid (3,4)
<b>Storage</b>	4°C for up to 1 year

### Reference

- 1) Tazaki K et al., Plant Cell Physiol., 30, 899 (1989)
- 2) Shibuya N, et al., Study on development of common basic technology for structure / function analysis of sugar chains (first phase) achievement report (1995)
- 3) Shibuya N et al., J. Biochem., 106, 1098 (1989)
- 4) Takesada H et al., J. Biochem., 112,143 (1992)

For reserach use only. Not for clinical diagnosis.



**COSMO BIO Co., LTD.**

【JAPAN】  
TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,  
KOTO-KU. TOKYO 135-0016, JAPAN  
Phone: +81-3-5632-9610  
FAX: +81-3-5632-9619  
URL: <https://www.cosmobio.co.jp/>



**COSMO BIO USA**

【Outside Japan】  
2792 Loker Ave West, Suite 101  
Carlsbad, CA 92010, USA  
email: [info@cosmobioussa.com](mailto:info@cosmobioussa.com)  
Phone/FAX: (+1) 760-431-4600  
URL: [www.cosmobioussa.com](http://www.cosmobioussa.com)