



PHA-E4, 5mg (lyophilized, salt free)

Origin	red kidney bean (<i>Phaseolus vulgaris</i>)
Sugar Specificity	D-GalNAc 1) 2) 3) 4)
Mitogen Activity	Non
Blood Specificity	O > A, B
Structure	Glycoprotein with a molecular weight of 128,000. 5) There are five tetrameric lectins 6) 7) 8) 9) (E4, E3L1, E2L2, E1L3, and L4) consisting of non-covalently bound subunits (E or L) in kidney bean. PHA-E4 is an isolectin with $pI=5.95$ 7) 8) consisting only of subunit E, which is capable of erythrocyte aggregation.
Feature	This binds to double-stranded, and complex type triple-stranded N-glycan (which is branched at the 3-position of the β -Man residue). The binding is stronger in the presence of bisecting GlcNAc, but weaker in the presence of terminal sialic acid 9). Binding is inhibited by 0.1 M tetraborate.
Storage	4°C for up to 1 year

Reference

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- 7) Miler, J. B., et al., J. Exp. Med., 138, 939 (1973)
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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
Phone/FAX: (+1) 760-431-4600
URL: www.cosmobioussa.com