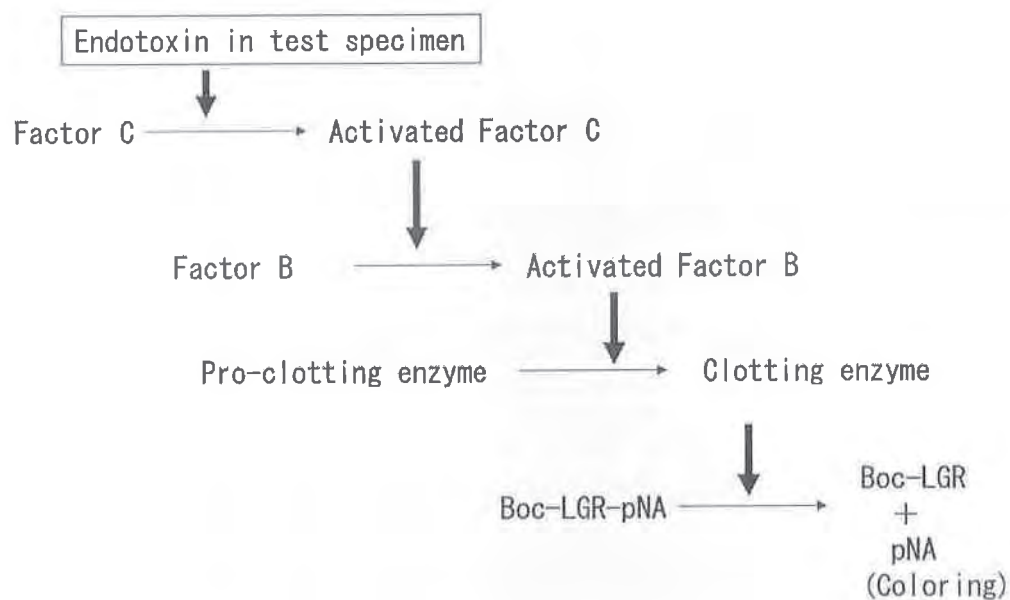


Figures

[Fig. 1]



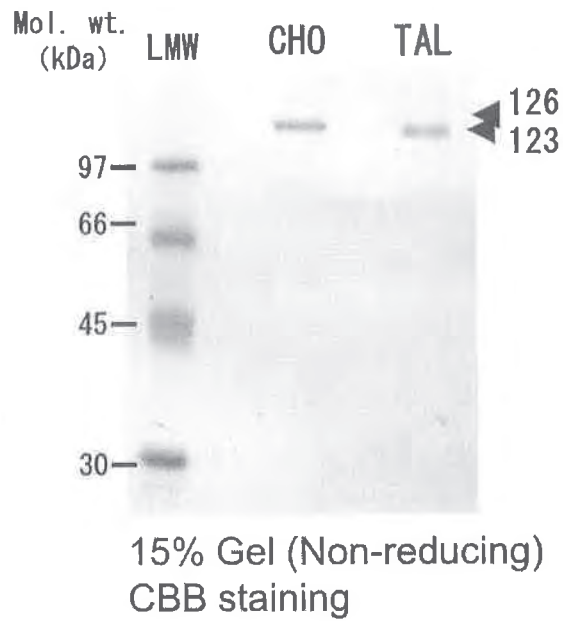
[Fig. 2]



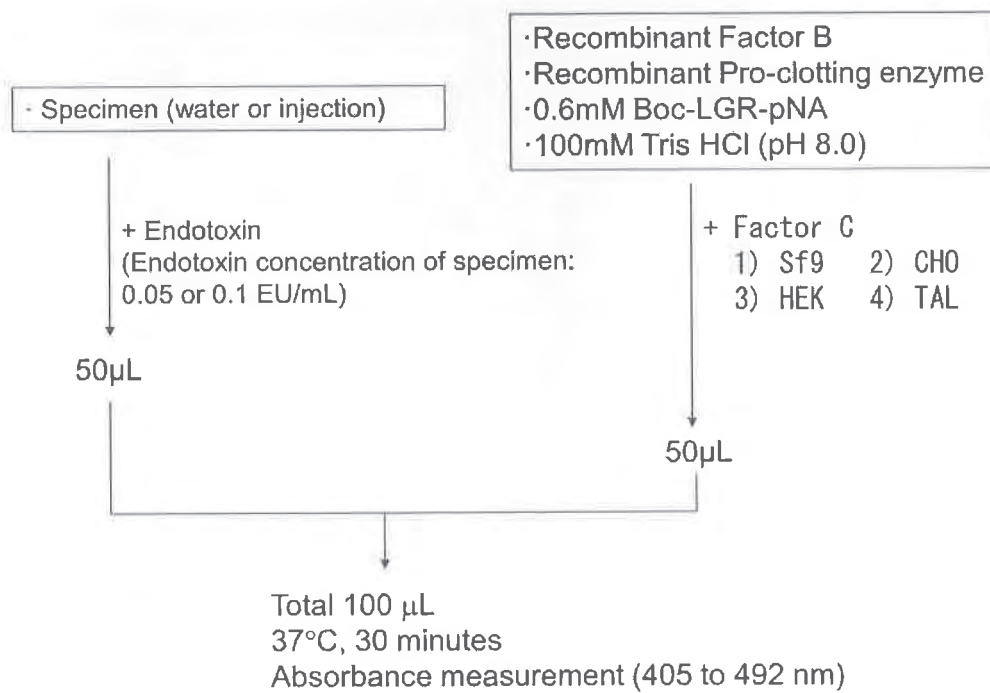
Primary antibody: Anti-factor C monoclonal antibody (2C12)

Electrophoresis conditions: non-reducing

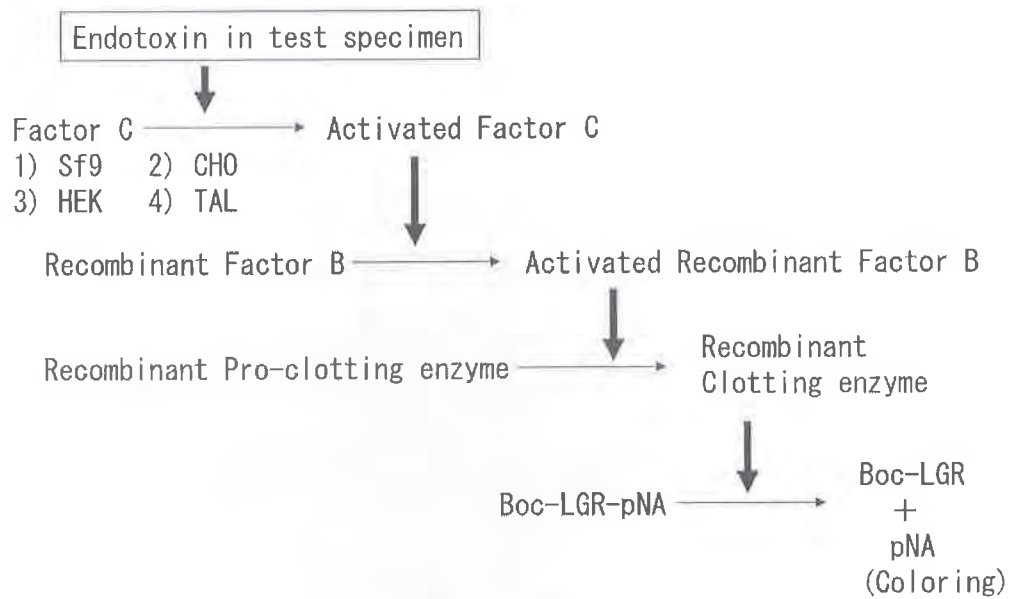
[Fig. 3]



[Fig. 4]



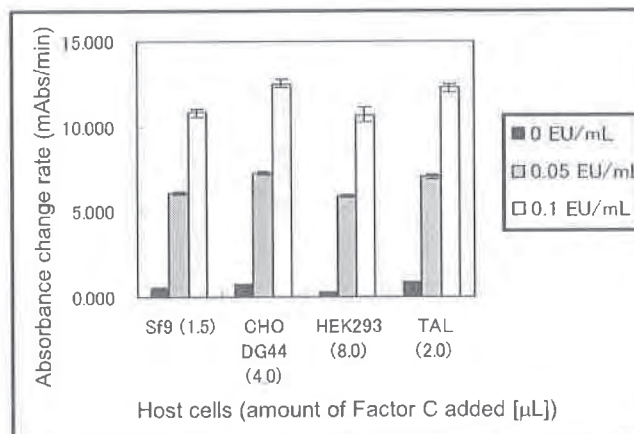
[Fig. 5]



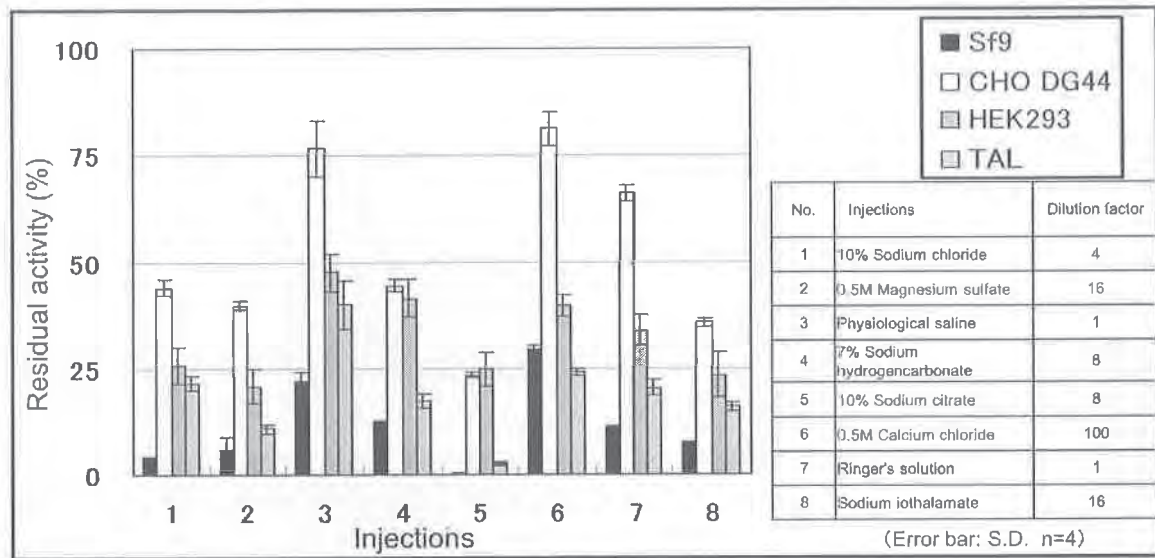
[Fig. 6]

Host cells for Factor C	Amount of Factor C added (μ L)	Endotoxin concentration (EU/mL)	Absorbance change rate (av. $\pm$ S.D.) (mAbs/min)
Sf9	1.5	0	0.520 $\pm$ 0.015
		0.05	6.095 $\pm$ 0.108
		0.1	10.795 $\pm$ 0.246
CHO DG44	4	0	0.770 $\pm$ 0.021
		0.05	7.260 $\pm$ 0.087
		0.1	12.510 $\pm$ 0.255
HEK293	8	0	0.300 $\pm$ 0.017
		0.05	5.885 $\pm$ 0.125
		0.1	10.685 $\pm$ 0.417
TAL	2	0	0.840 $\pm$ 0.055
		0.05	7.030 $\pm$ 0.140
		0.1	12.270 $\pm$ 0.255

n=3



[Fig. 7]



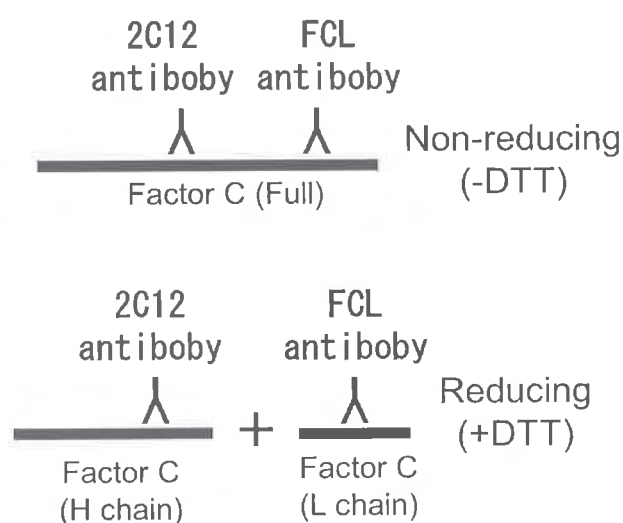
[Fig. 8]

TtFC 834Cr ID4	MVLASFLVSGLVLGILAQQMRPVQSRGVDLGLCDETRFECKCGDPGYVFNVPKQCTYFY MVLASFLVSGLVLGILAQQMRPVQSRGVDLGLCDETRFECKCGDPGYVFNIPVKQCTYFY *****[***:*****:*****:*****:***]	60
TtFC 834Cr ID4	RWRPYCKPCDDLEAKDICPKYKRCQECKAGLDSCVTCPPNKYGTWCSGECQCKNGGICDQ RWRPYCKPCDDLEAKDICPKYKRCQECKAGLDSCVTCPPNKYGTWCSGECQCKNGGICDQ *****	120
TtFC 834Cr ID4	RTGACTCRDRYEGAHCEILKGCPLLPSDSQVQEVNPPDNPQTIDYSCSPGFKLKGVAR I RTGACACRDRYEGVHCEILKGCPLLPSDSQVQEVNPPDNPQTIDYSCSPGFKLKGMA R I *****:*****:*****:*****:*****:*****:*****:*****:*****	180
TtFC 834Cr ID4	SCLPNGQWSSFPPKCI RECAKVSSPEHGKVNAPSGNMI EGATLRFSCDSPYYLIGQETLT SCLPNGQWSNFPPKCI RECAMVSSPEHGKVNALSGDMIEGATLRFSCDSPYYLIGQETLT *****:*****:*****:*****:*****:*****:*****:*****:*****	240
TtFC 834Cr ID4	CQGNQWWSGQIPQCKKLVFCPLDPVNHAHQVKIGVEQKYQQFPQGTEVYTCSGNYFL CQGNQWWSGQIPQCKKLVFCPLDPVNHAHQVKIGVEQKYQQFPQGTEVYTCSGNYFL *****:*****:*****:*****:*****:*****:*****:*****:*****	300
TtFC 834Cr ID4	MGFNTLKCNPDGSGWSGSPSCVKVADREVD CDSKAVDFLDDVGEPVRIHCPAGCSL TAGT MGFNTLKCNPDGSGWSGSPSCVKVADREVD CDSKAVDFLDDVGEPVRIHCPAGCSL TAGT ***:*****:*****:*****:*****:*****:*****:*****:*****	360
TtFC 834Cr ID4	VWGTAIYHELSSVCRAAIHAGKLPNSGGAVHVNNGPYSDFLGSDLNGIKSEELKSLARS VWGTAIYHELSSVCRAAIHAGKLPNSGGAVHVNNGPYSDFLGSDLNGIKSEELKSLARS *****	420
TtFC 834Cr ID4	FRFDYVSSSTAGRSGCPDGWFEVEENCYVYVTSKQRAWERAQGVCTNMAARLAVLDKDLIP FRFDYVRSSTAGKSGCPDGWFEVDENCYVYVTSKQRAWERAQGVCTNMAARLAVLDKDVIP *****:*****:*****:*****:*****:*****:*****:*****:*****	480
TtFC 834Cr ID4	SSLTETLRGKGLTTTWIGLHRLDAEKPFVWELMDRSNVVLNDNLTFWASGEPGNETNCVY NSLTETLRGKGLTTTWIGLHRLDAEKPFVWELMDRSNVVLNDNLTFWASGEPGNETNCVY *****:*****:*****:*****:*****:*****:*****:*****:*****	540
TtFC 834Cr ID4	LDIRDQLQPVWKT KSCFQPSSFACMMDLSDRNKAKCDDPGPLENGHATLHGQSIDGFYAG MDIQDQLQSVWKT KSCFQPSSFACMMDLSDRNKAKCDDPGSLENGHATLHGQSIDGFYAG :***:****:*****:*****:*****:*****:*****:*****:*****	600
TtFC 834Cr ID4	SSIRYSCEVLHYLSGTETVTCTTNGTWSAPKPRCIKVITCQNPVPSYGSVEIKPPSRTN SSIRYSCEVLHYLSGTETVTCTTNGTWSAPKPRCIKVITCQNPVPSYGSVEIKPPSRTN *****	660

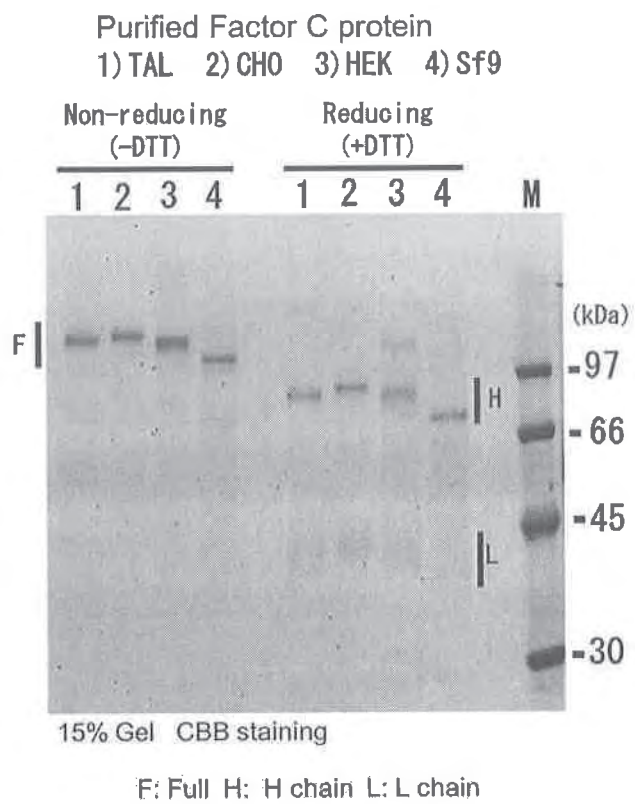
[Fig. 9]

TtFc 834Cr ID4	SISRVGSPFLRLPRLPLLARAAPPPKPRSSQPSTVDLASKVKLPEGHYRVGSRAIYTC SISRVGSPFLRLPRLPLLARAAPPPKPRSSQPSTVDLASKVKLPEGHYRVGSRAIYTC *****	720
TtFc 834Cr ID4	ESRYEELLGSQGRRCDSNGNWSGRPASCIPVCGRSDSPRSPFIWNGNSTEIGQWPWQAGI ESRYEELLGSQGRRCDSNGNWSGRPASCIPVCGRSDSPRSPFIWNGNSTEIGQWPWQAGI *****	780
TtFc 834Cr ID4	SRWLADHNMWFLQCGGSLLNEKWIVTAAHCVTYSATAEIIDPSQFKIYLGKYYRDDS RDD SRWLADHNMWFLQCGGSLLNEKWIVTAAHCVTYSATAEIIDPNQFKMYLGKYYRDDS RDD *****	840
TtFc 834Cr ID4	DYVQVREALEIHVNPNYDPGNLNF DIALIQLKTPVTLTTRVQPICLPTDITREHLKEGT DYVQVREALEIHVNPNYDPGNLNF DIALIQLKTPVTLTTRVQPICLPTDITREHLKEGT *****	900
TtFc 834Cr ID4	LAVVTGWGLNENNTYSEMIQQA VLPVVAASTCEEYKEADLPLTVTENMFCAGYKKGRYD LAVVTGWGLNENNTYSEMIQQA VLPVVAASTCEEYKEADLPLTVTENMFCAGYKKGRYD *****	960
TtFc 834Cr ID4	ACSGDSGGPLVFADDSRTERRWVLEGI VSWGSPSGCGKANQYGGFTKVVNVL SWIRQFI ACSGDSGGPLVFADDSRTERRWVLEGI VSWGSPSGCGKANQYGGFTKVVNVL SWIRQFI *****	1019

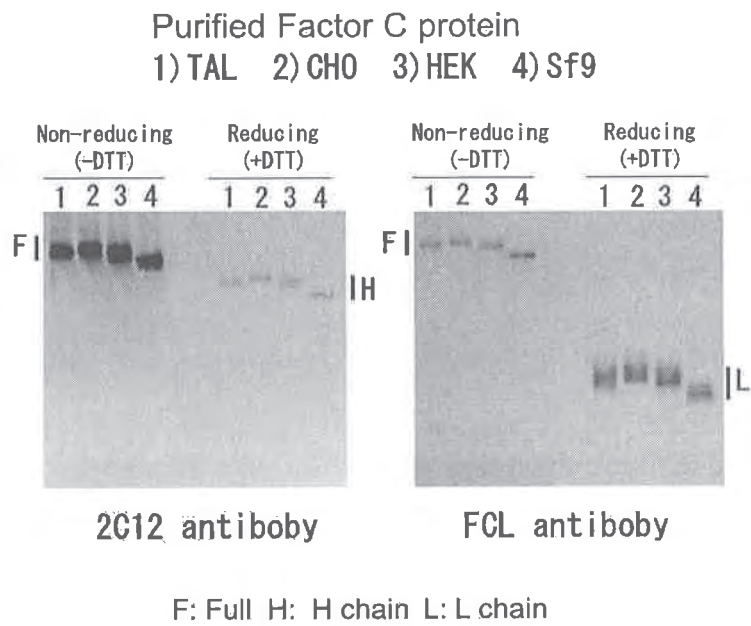
[Fig. 10]



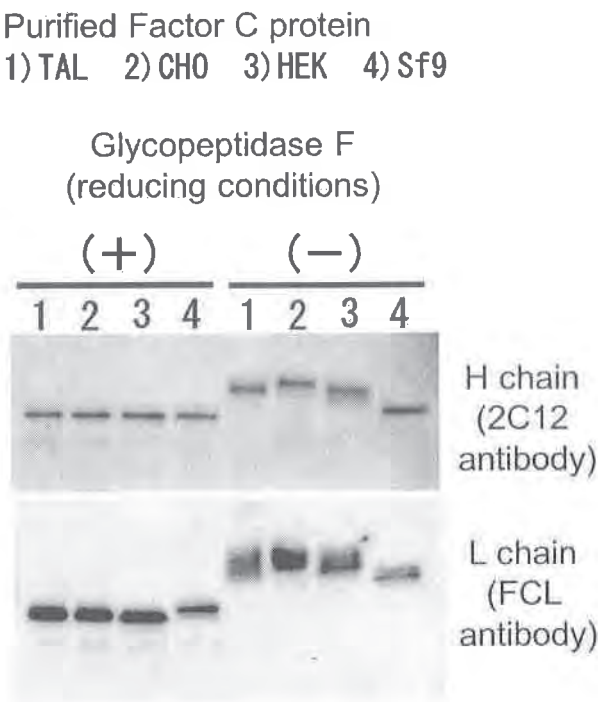
[Fig. 11]



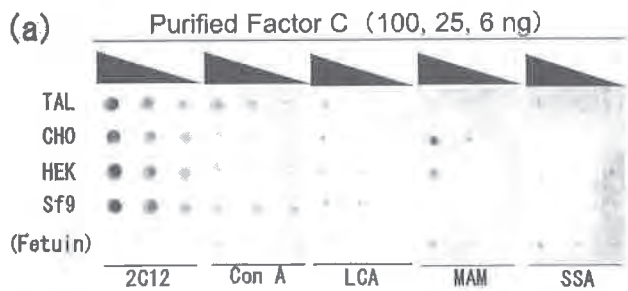
[Fig. 12]



[Fig. 13]



[Fig. 14]



(b) Binding specificity of Lectin

Name	Origin	Specificity
Con A	<i>Canavalia ensiformis</i>	Biantennary Hybrid type, High mannose type, Complex type
LCA	<i>Lens culinaris</i>	Fucose linked $\alpha(1,6)$ to core GlcNAc of N-linked glycopeptide
MAM	<i>Maackia amurensis</i>	Sia(α -2,3)Gal(β -1,4)GlcNAc
SSA	<i>Sambucus sieboldiana</i>	Sia(α -2,6)Gal

