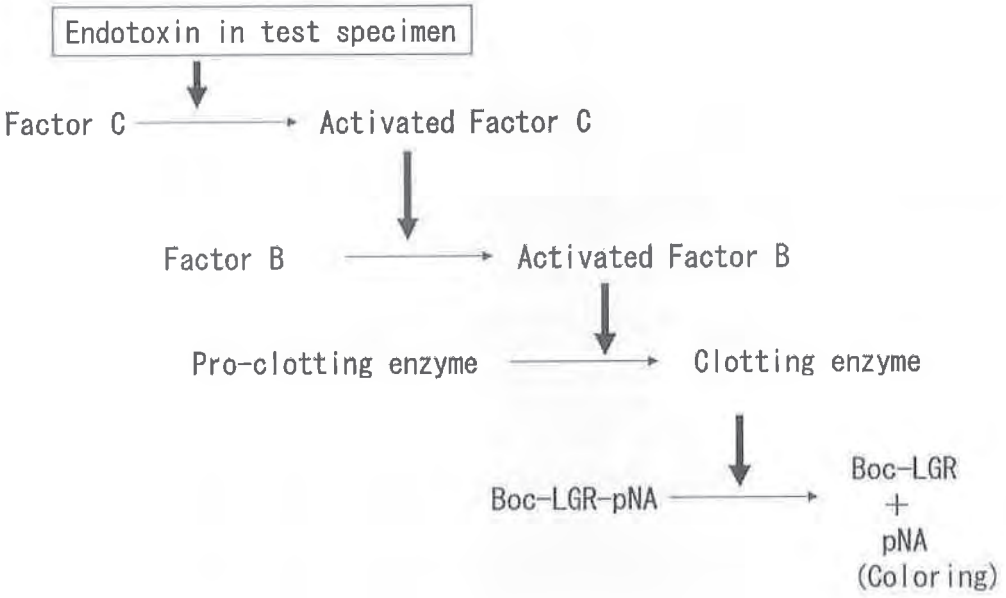
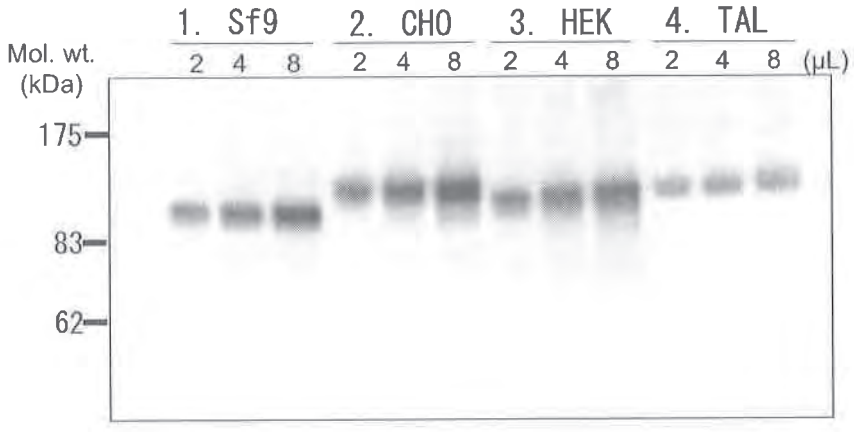
Figures

[Fig. 1]

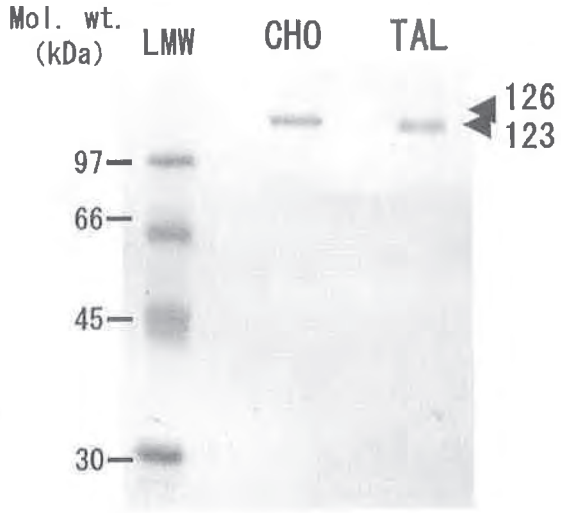


[Fig. 2]



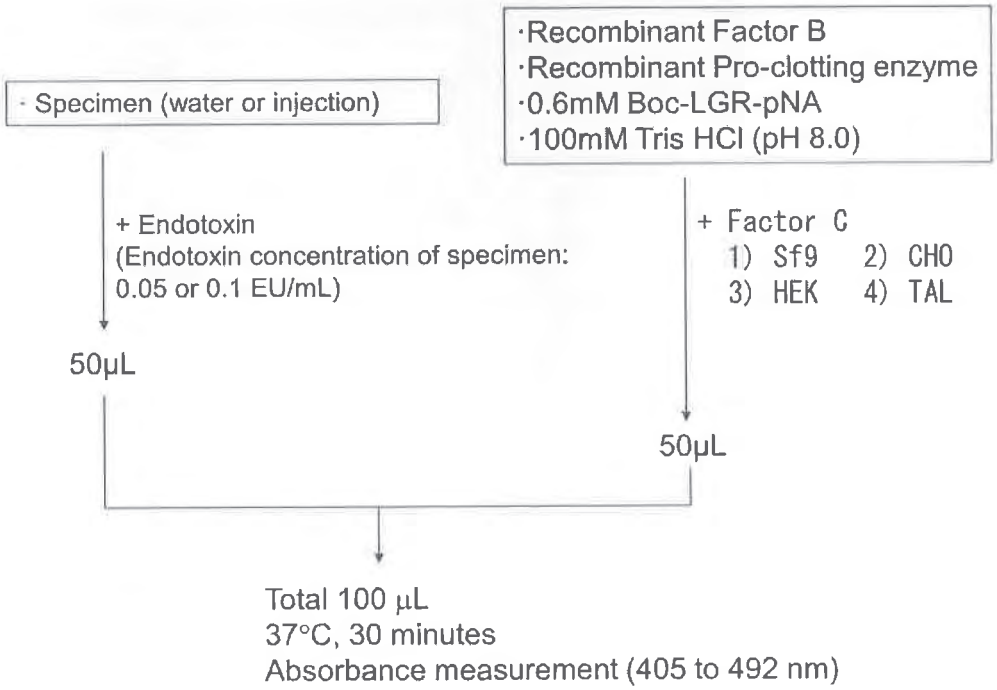
Primary antibody: Anti-factor C monoclonal antibody (2C12)
Electrophoresis conditions: non-reducing

[Fig. 3]

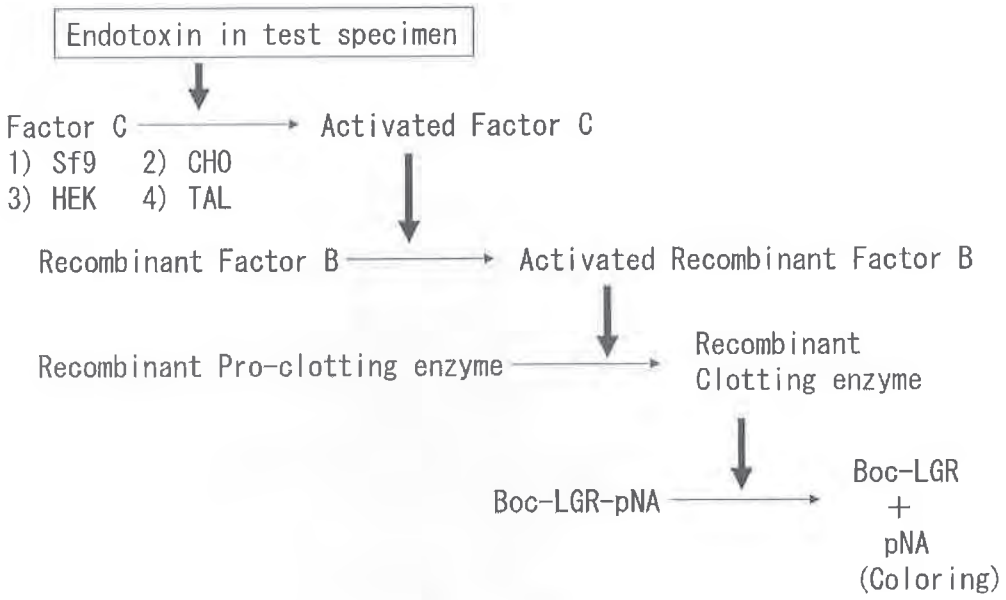


15% Gel (Non-reducing)
CBB staining

[Fig. 4]



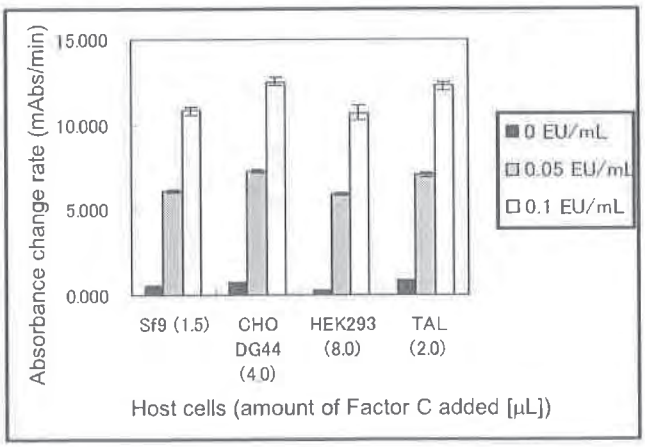
[Fig. 5]



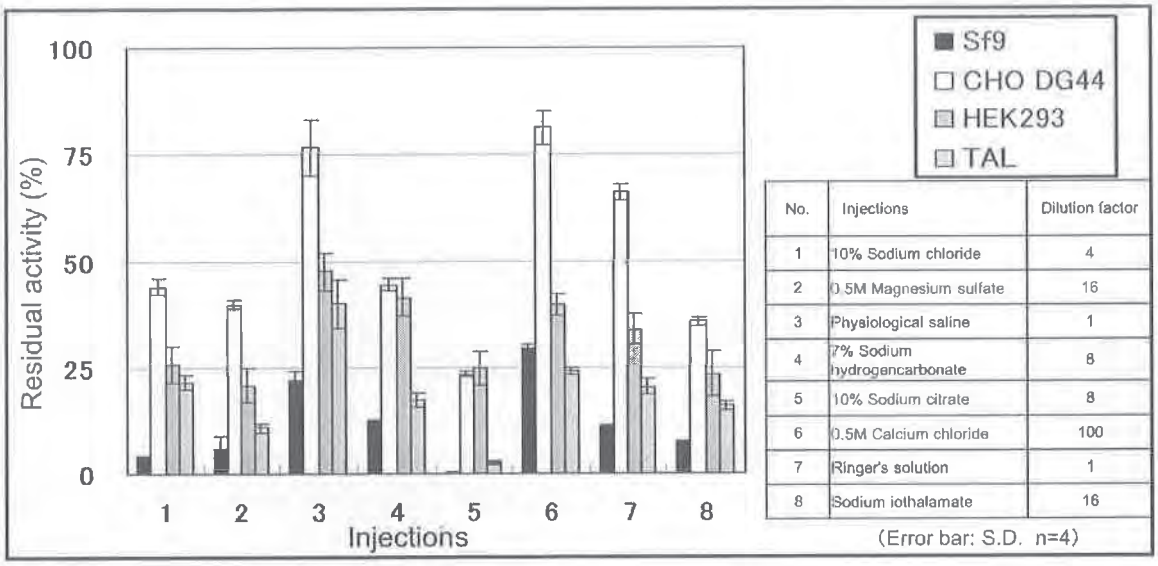
[Fig. 6]

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

n=3



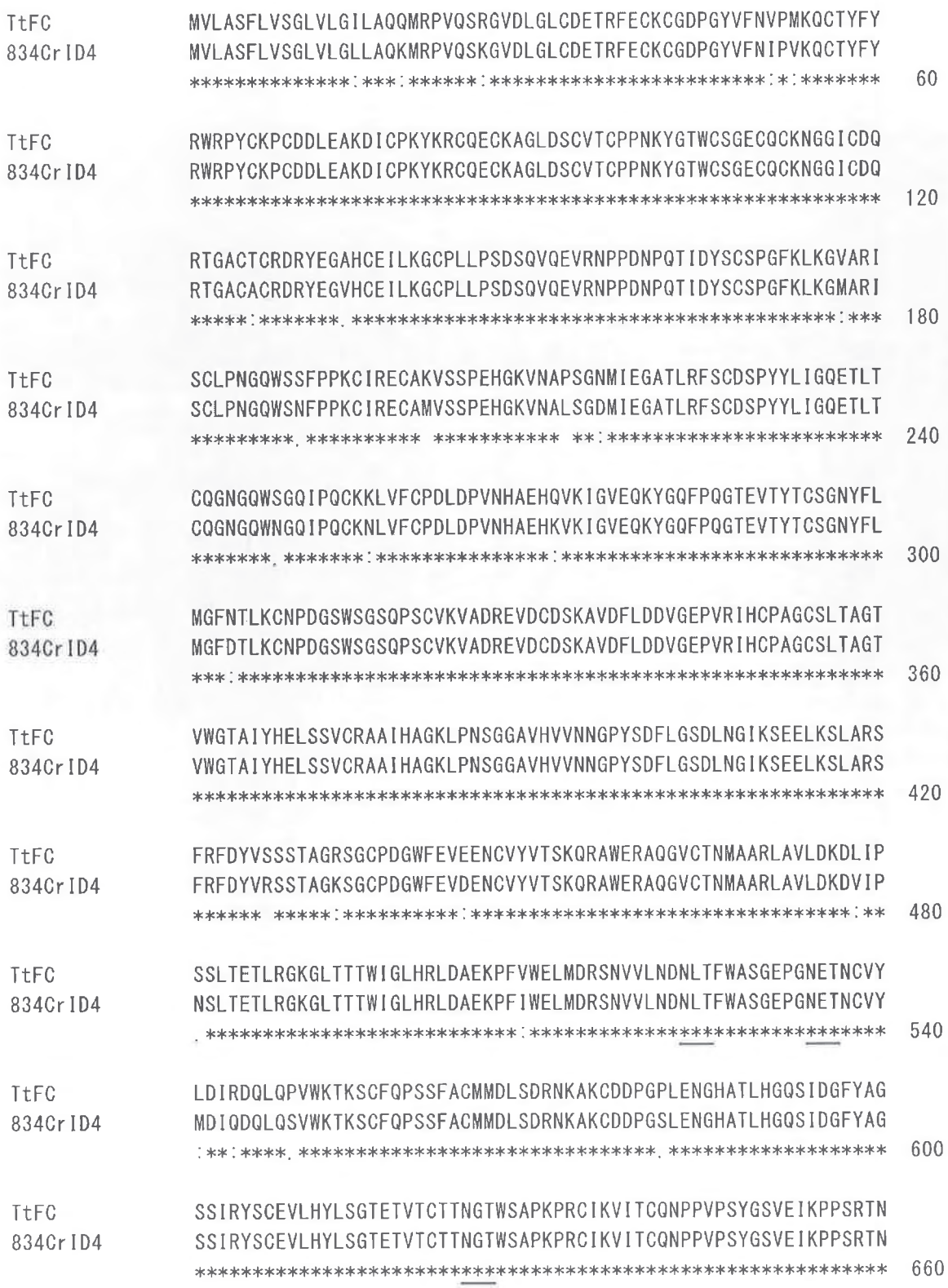
[Fig. 7]



No.	Injections	Dilution factor
1	10% Sodium chloride	4
2	0.5M Magnesium sulfate	16
3	Physiological saline	1
4	7% Sodium hydrogencarbonate	8
5	10% Sodium citrate	8
6	0.5M Calcium chloride	100
7	Ringer's solution	1
8	Sodium iothalamate	16

(Error bar: S.D. n=4)

[Fig. 8]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60
TtFC RWRPYCKPCDDLEAKDICPKYKRCQECKAGLDSCVTCPPNKYGTWCSGECQCKNGGICDQ
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120
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660

[Fig. 9]

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TtFC        SISRVGSPFLRLPRLPLPLARAAKPPPKPRSSQPSTVDLASKVKLPEGHYRVGSRAIYTC
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            ************************************************************ 720

TtFC        ESRYYELLGSQGRRCDSNGNWSGRPASCIPVCGRSDSPRSPFIWNGNSTEIGQWPWQAGI
834CrID4    ESRYYELLGSQGRRCDSNGNWSGRPASCIPVCGRSDSPRSPFIWNGNSTEIGQWPWQAGI
            ************************************************************ 780

TtFC        SRWLADHNMWFLQCGGSLLNEKWIVTAAHCVTYSATAEIIDPSQFKIYLGKYYRDDSRDD
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            ****************************************.***:********** 840

TtFC        DYVQVREALEIHVNPNYDPGNLNFDIALIQLKTPVTLTTRVQPICLPTDITTREHLKEGT
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            ************************************************************ 900

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            ********** ************************************************ 960

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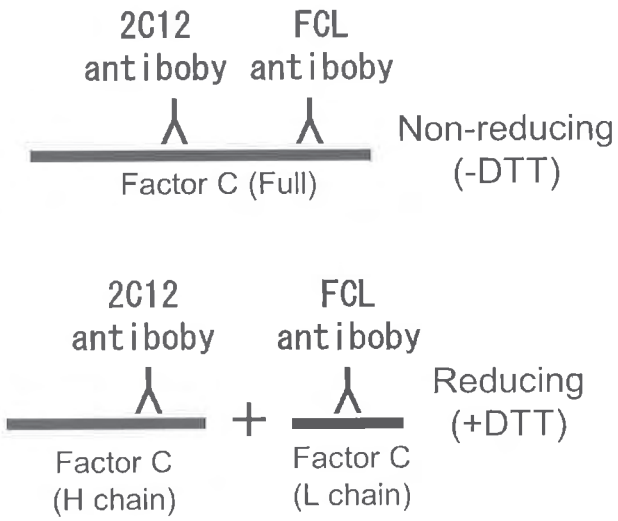
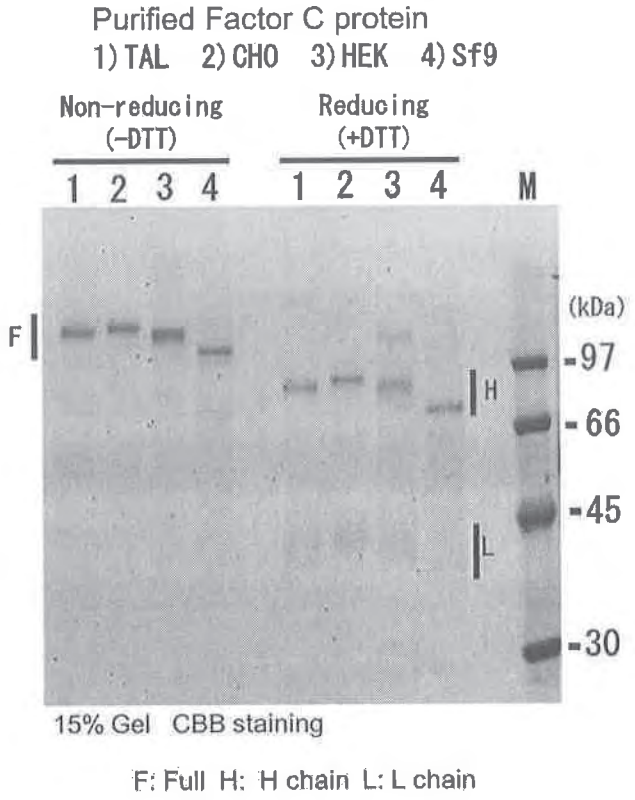
[Fig. 10]

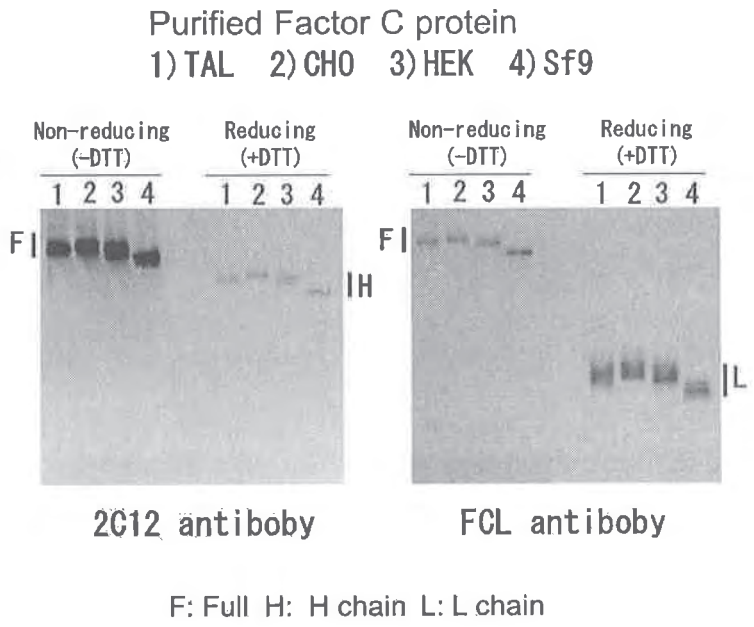


[Fig. 11]



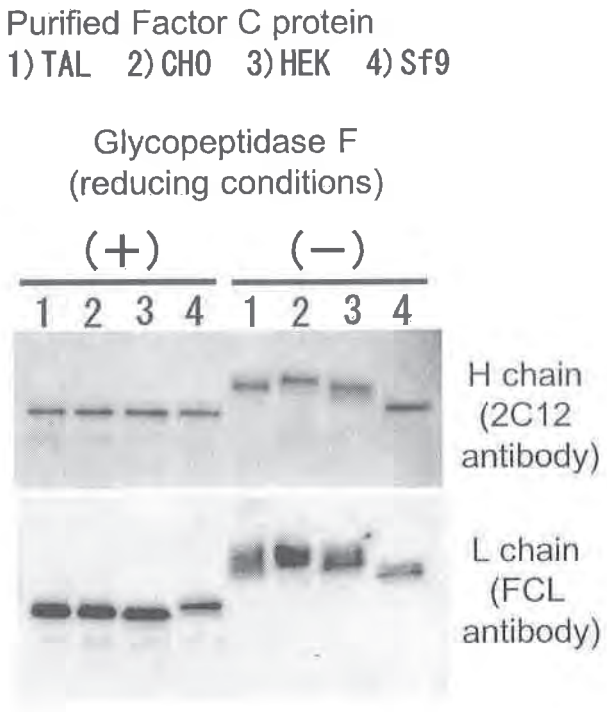
F: Full H: H chain L: L chain

[Fig. 12]

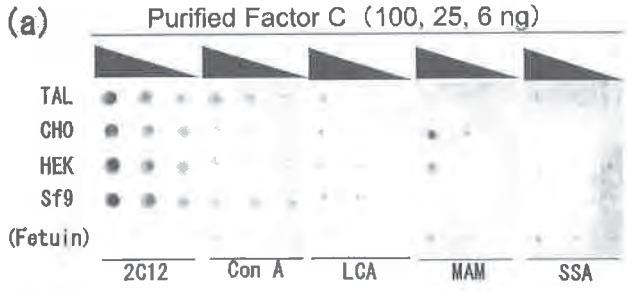


F: Full H: H chain L: L chain

[Fig. 13]



[Fig. 14]



(b)

Binding specificity of Lectin

Name	Origin	Specificity
Con A	*Canavalia ensiformis*	Biantennaly Hybrid type, High mannose type, Complex type
LCA	*Lens culinaris*	Fucose linked α(1,6) to core GlcNAc of N-linked glycopeptide
MAM	*Maackia amurensis*	Sia(α-2,3)Gal(β-1,4)GlcNAc
SSA	*Sambucas sieboldiana*	Sia(α-2,6)Gal

