



() -

*

: _____

pH= /

: _____

()

A₁

: _____

A₁

: _____

, : _____
/ / : - // :

*

)

/

.()

(Clark)

.() (

IV I

.()

.()

.()

.()

.()

-

.()

.

()

I

-

- Sprague-Dawely

.()

% /

.()

.()

Carcharhinus sorrah

-

)

.

/		/	
(A ₀)		(	
- /		-	
	pH	pH- /	
NaCl			
		()	
		xg	
(BSA)			
()			
(SDS-PAGE)			
SDS -	/ cm)	Q-Sepharose FF	
()		Tris-HCl	(×
R-250		pH- /	
(Lohman)			
		NaCl	
-			
()	%	Sp-Sepharose FF	
/		(× / cm)	
		pH- /	
()			

(Blinded observer method)

() -

B A

(+++)

(+)

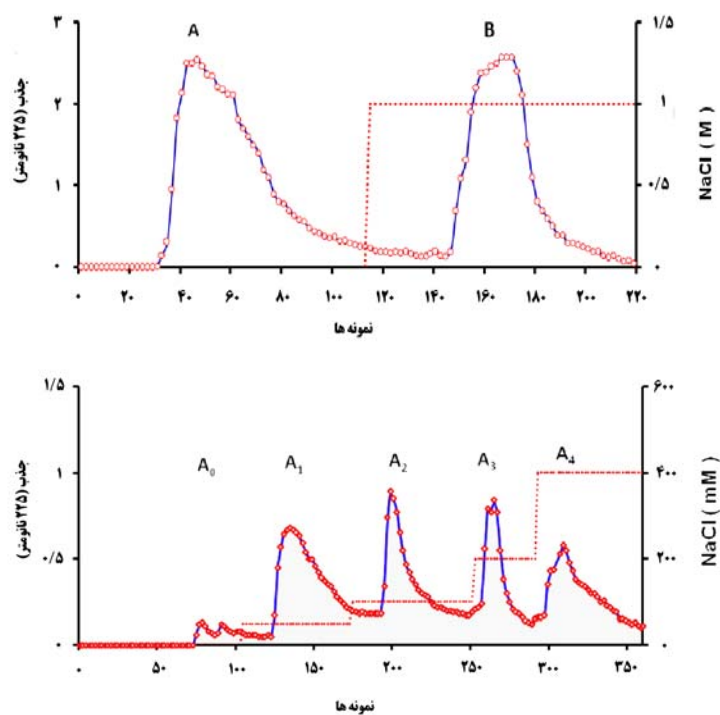
(±)

pH= /

(P < /)

pH= / /

()



(-◇-)

(...) NaCl

pH=

pH= /

Q-Sepharose (A)

A Sp-Sepharose (B)

(-◇-)

(...) NaCl

/

/

 (A_1)

B A

 (A_1)

B A

 $()$

A

 (Rat)

B

)

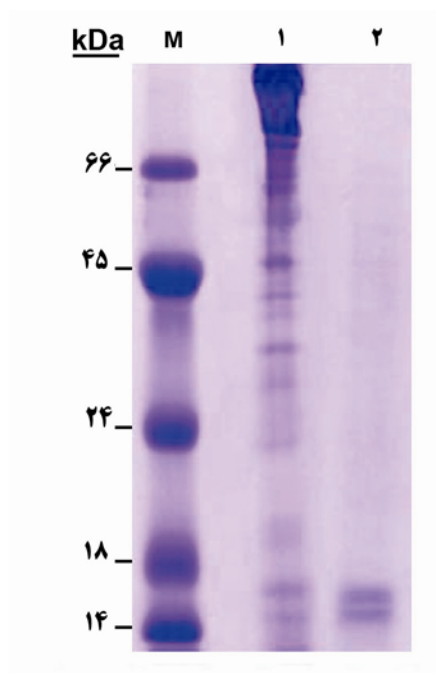
 $(A$

Sp-Sephrose

 (B_1) $()$ A_1

A

 $()$ $()$ A_1



SDS-PAGE

M: R 250

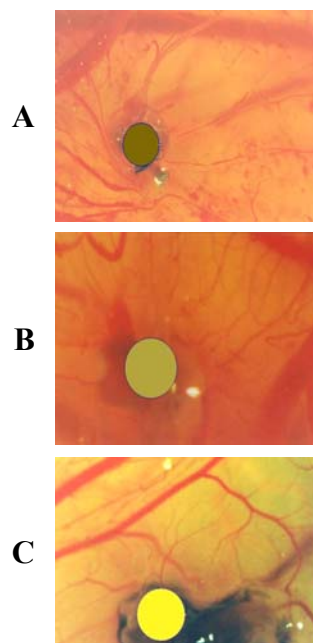
A

A₀

.()

.()

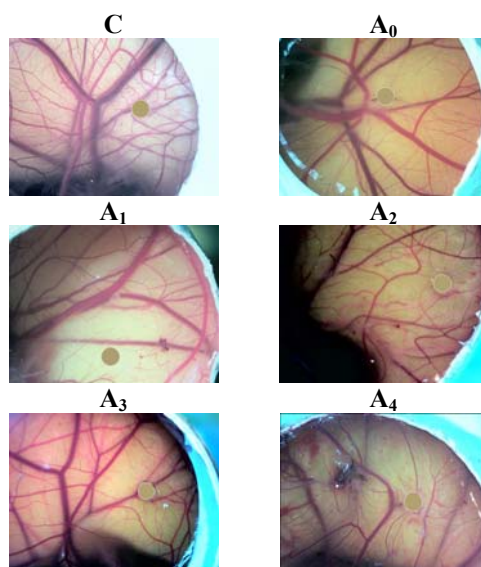
.()



B A :

;B A .

; C .

A₄ A₃ A₂ A₁ A₀ :

.()

Q-Sepharose

.(-)

SDS-

A_1 A

(A B)

A_1

PAGE

.(A_1)

A

.()

-

(Sheu)

(A)

(Wong)

(Liang)

.($P < /$)

A

pH

.()

A

)

.() (

A

Sp-Sepharose

(A_0 - A_4)

.(B)

.($P < /$)

A_1

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