



DTH

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invitro

C57 BL/6

IFN- γ

IFN- γ

Ab

%

IFN- γ

IgG

IFN- γ

IFN- γ

(p < /)

DTH

Th₁

IFN- γ

DTH

E mail: Ahmad_Morshedi@yahoo.com

PBS

() () / ()

()

T

Th2

Th1

*

()

: Ab

IFN- γ

Ab

()

()

()

% PBC

IFN- γ

IgG

) C57BL/6

¹ Lowry

² Invitro

³ Czinn

⁴ Duplicate

PBS

%

DTH

(Sigma) IFN- γ OD
 () OD / / Ab OD
 IFN- γ (mAb2) :
 EDTA *
 OD *
) RPMI
 OD (/
 IFN- γ
 * -
 ()
 (Sigma co.)IFN- γ IFN- γ
 *
 IFN- γ Ag
 IFN- γ IgG IFN- γ IFN- γ
 () ()
) IFN- γ (mAb1)
 % PBS (/

⁴ Pharmingen

⁵ (H&E)

¹ Triplicate

² L-glutamine

³ (Behring, Germany)

γ

IFN-γ

(p < /)

/

.()

IFN-γ

()

IFN-γ

)

(IFN-γ

IFN-γ

IFN-γ

IFN-γ

OD

IgG

/

OD

/

%

%

%

.()

.()

IFN-

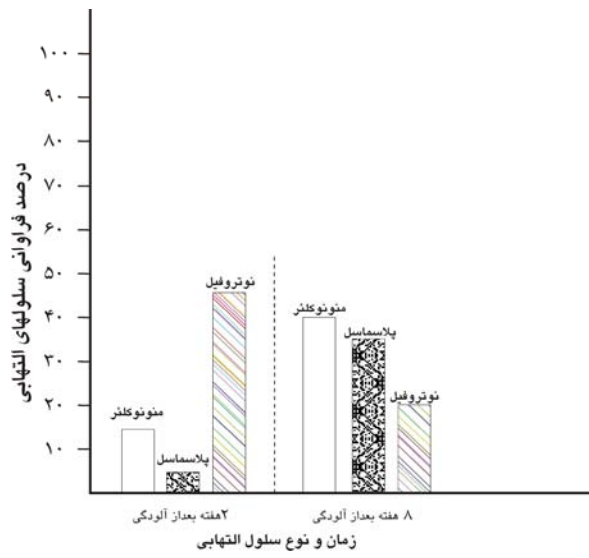
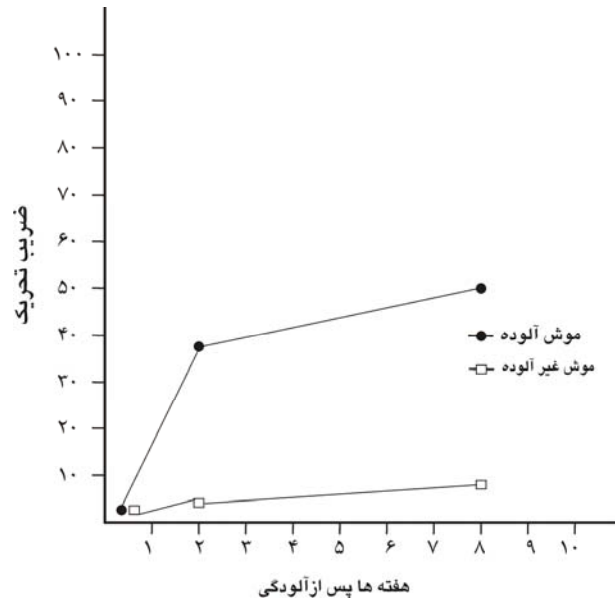
IFN-γ

IFN-γ

:

		IgG OD		/	IFN-γ
					IFN-γ
		/	/		

DTH



()

()

()

DTH

IFN- γ Th1

()

DTH Th1

Th1 () Karttunen

IFN- γ

()

(-)

IFN- γ

DTH Th1

(.)

IFN- γ

() Th1

IFN- γ

IFN- γ

IFN- γ

() Kluge

IFN- γ Th1

DTH

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