

⁵(Ph.D.)

⁴(Ph.D.)

³(Ph.D.)

²¹(M.L.D.)

⁷⁶(Ph.D.)

-1
-2
-3
-4
-5
-6
-7

چکیده

in vivo
48
Balb/c
(Optiprep)
CD11c
%20 %10 %5
5
(Balb/c×C57BL/6)
(cpm=89210±3632)
(p< 0/0001) (cpm=6200± 582)

14115 -111

moazzeni@dr.com :

T

1

Medawar

(1)

2

(4)

T

Medawar 1953

4

5

:

(1

(2

3

(3

(2)

(4

10/7 4/5

Hoskin

Tj6⁸ AFP IL-4⁷ IL-10⁶ TGFβ

Annexin II¹⁰ TNF⁹

¹⁴PIBF ¹³IFNτ CD95¹² EPF¹¹ DHA

D3 ¹⁶HCG ¹⁵PGE2

T

(3)

:

T

%10-30

(4)

(5)

(6) Tafuri

-
- 4- Cocktail
 - 5- Immunosuppressive
 - 6- Transforming Growth Factor
 - 7- Interleukin
 - 8- Alpha Feto Protein
 - 9- Spermin
 - 10- Tumor Necrotic Factor
 - 11- Doesahexaenoic Acid
 - 12- Eearly Pregnancy Factor
 - 13- Interferon
 - 14- Progesterone- induced Blocking Factor
 - 15- Prostaglandin E2
 - 16- Human Chorionic Gonadotropin

-
- 1-Semiallograft
 - 2- Immunologic Tolerance
 - 3-Immunoprivileged site

T

LAK

IL-2 IL-1 TNF α IFN γ

2 1 MLR

3 MHC-II

(7) 5 GVHD 4 NO

2 7 6

10 PBS-EDTA 11

(Axis-Shield, Norway) %12

2 (Sigma, USA) RPMI

(Gibco, Eggenstein, Germany) 13 (FCS)

(37°C) RPMI

RPMI

37 °C 10-16

%5 CO₂

14 Balb/c : (

(12)

3 (-

(%2 PBS)

15 : (

%5

CD11c 1 μ l

500000 (BD, Pharmingen, USA) 10-12 (8)

9- Collagenase
10 - Low Density
11- Gradient
12- Optiprep
13- Fetal Culf Serum
14- Viability

1- Mixed Lymphocyte Reaction
2- Apoptosis
3- Costimulatory Molecule
4- Nitric Oxide
5- Graft Versus Host Disease
6- Supernatant
7- Decidua
8- Dendritic Cell (DC)

PBS

3×10^5 (CD11c)

40 %5

)¹

5. ² (LTT) (PE IgG

1:100 (BD, Pharmingen, USA)

30

()

4 3

PBS-EDTA (Culter, USA)

PBS 2 5mM

%0/5 (Sigma, USA)Click

3×10^5 cell/well (

(Falcon, USA) 96 :

100 μ g/ml

5 2

%5 RPMI

80 Click %10 RPMI

CO₂ %5 37 °C (Sigma, USA) 100 μ g/ml

1 μ Ci Conalbumine

(Pharmacia, Sweden)) RPMI-10

CO₂ 16-18 10-16 (

37 °C 12

(A3, ICN-Flow Co. USA)⁶ CO₂ %5

(Whatman, USA) glass fiber

Wallash 1410 β -Counter ⁷cpm (

2-Lymphocyte Transformation Test

3- Popliteal

4- Brachial

5- Triplicate

6- Cell harvester

7- Count Per Minute

1- Secondary Antibody

PBS 3

				1	(Pharmacia, Sweden)
	RPMI	2 ()		SI = $\frac{\text{cpm}}{\text{cpm}}$	
	1mg/ml	1ml			
(Roche,	30µl/ml DNase	(Worthington, USA) II		2 Whitten	:
		Germany)		3	(
		5	Balb/c		(9)
	5ml				C57BL/6
					4
CO ₂ %5	37°C				
		50	0/5		
		PBS-EDTA 5mM			:
%20	RPMI-1640	400000 cell/well	Balb/c		(
24		(BD, Pharmingen, USA)		5	
	48	CO ₂			
					:
15	4°C	12000g	(12)		(
			PBS		
	-70°C			6	
		PBS		7	
					PBS
				8	
			PBS	3	
			%5		RPMI-1640
					:
	5				(
()					
		5			
()					

- 1- Stimulation Index
- 2- Whitten Effect
- 3- Estrous Cycle
- 4- Vaginal Plaque
- 5- Papanicolau
- 6- Antimesometrial
- 7- Placental Capsules
- 8- Deciduas Basalis

DC

5 (±)
0/05 P-value .

$4-7 \times 10^5$
%95

CD11c

%93/7±%3

(1)

$1/95-2/95 \times 10^8$ DNase
 $2/36 \times 10^8$

(Balb/c × C57BL/6)²

1/068 gr/ml

LD

$8/3 \pm 1/5 \times 10^6$

5

%3-6 1/068 gr/ml

4×10^5 %95±%3

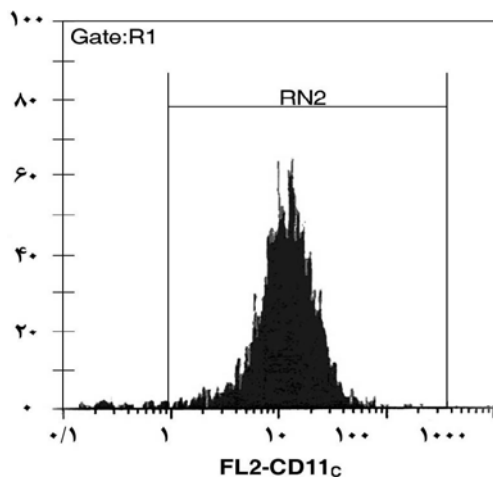
%4/1

%20 RPMI 800 μ l

15

(Olympus, Japan)

24



CD11c

-1

1/5-2

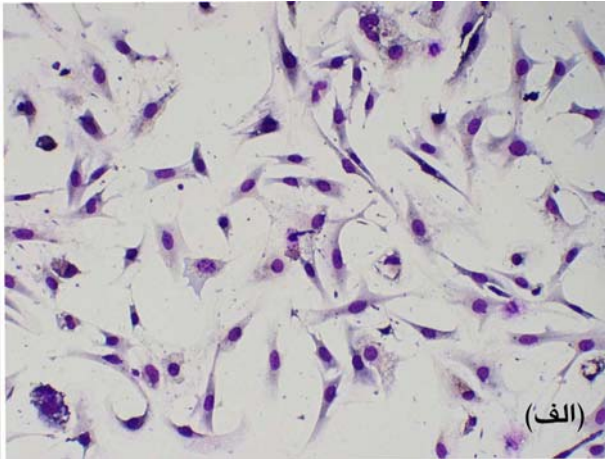
%0/3

12-16

%95

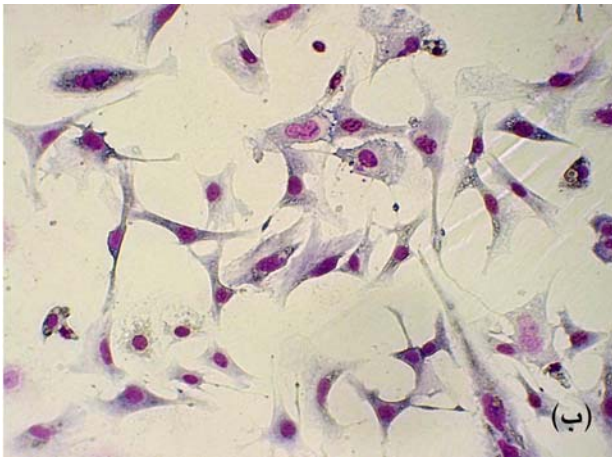
2- Allogenic Pregnancy

1- Inbred



24 .

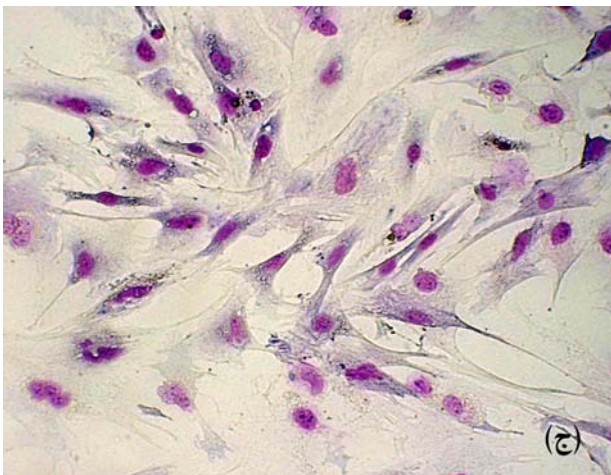
48



-70°C

72 48 24

(2)



-2

(10) Inaba

24 : (200)

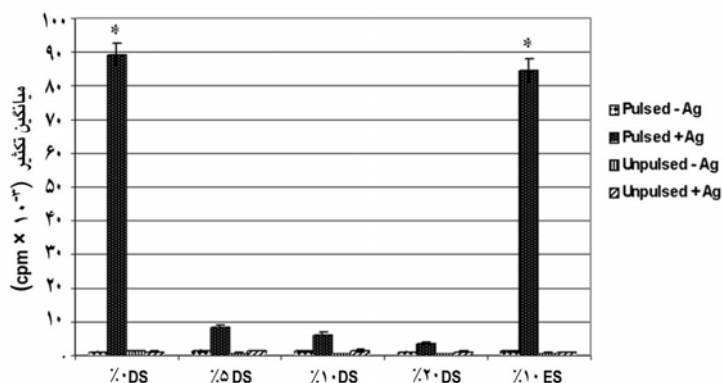
cpm

()

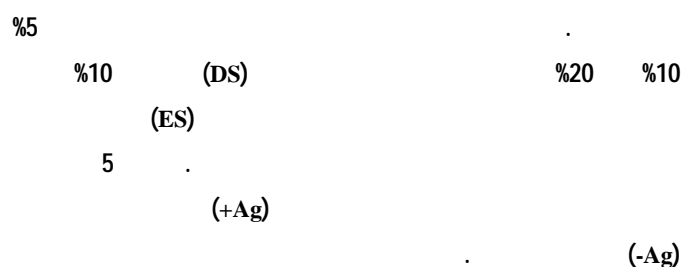
72 ()

48 ()

)



-1



P=0.000 :*

100µg/ml 5 ()
 89210±3632
 cpm 1054±202
 ()
 960±130 100µg/ml
 1200±220
 87/3± 14/4
 cpm

(P<0/0001)

%20 %10 %5

« » « » « »

5

1

%20 %10 %5

(P<0/0001)

%20 %10 %5

8100±1037

² SI cpm

(SI = 5/68 ± 0/75) 6200 ± 582 (SI = 6/24 ± 0/4)

) (SI = 3/5±0/2) 3500 ±442

(1)

1- Treatment
 2- Stimulation Index

2

(14)
48

Badet

(11) Pippard

MLR

11

(8-9)

1

Dodd Beer (15)

(16-17)

Pippard

NK

T

(11-13)

1

³ADCC

(12)

Valadimirsky

((18-19)

(

-

(

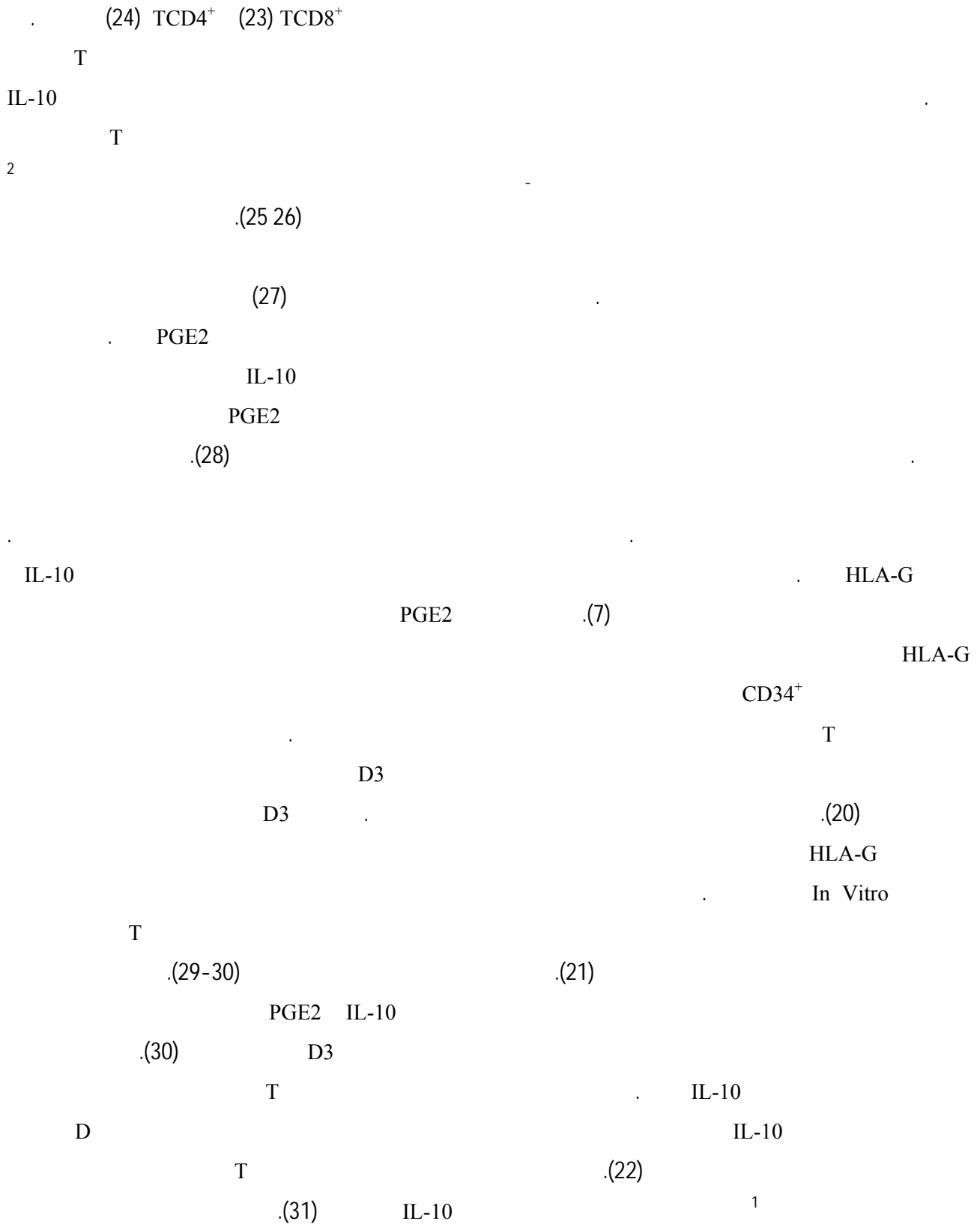
(11-12)

%20 %10 %5

2- Placental Extract

3- Antibody Dependent Cell- Mediated Cytotoxicity

1- Decidual Stromal Cells



2- By-stander

1- Anergy

6

(34) T
1

(35) (31) T
D3
2

T
7

(32) T
3

(22 29) 1 4 -1
-25
(22 24 29-30) 5(D3) 25
(26 36) (7)
(20)

TGF-β (29) T
(37)

in vivo

IL-10 (33)

(34)

%20)
(
Wira

-
- 1- Antigen- Specific
 - 2- Synergism
 - 3- 1-α hydroxylase
 - 4- 25 hydroxy cholecalciferol
 - 5- 1, 25 (OH)₂ Colecalciferol

-
- 6- Proestrus
 - 7-Immunomodulatory Molecule

(> %95)

T

PGD2

PGD2

1

PGD2 (38)

PGD2

(39)

T

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-7

.1382

1- Langerhans

-8

(1381)

.17-29 1

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