

رویکردی جدید در درمان بیماری دیابت خودایمن وابسته به انسولین با استفاده از سلول‌های دندانیک تیمار شده با اینترلوکین ۱۰ (IL-10)

*

چکیده

مقدمه:

(DCs)

T

IL-4 GM-CSF

LPS IL-10

روش‌ها:

IL-10

MHC class II

یافته‌ها:

($P < /$)

) LPS

T

IL-10

($P < /$)

IFN- γ

IL-10

IL-10

نتیجه‌گیری:

IL-10

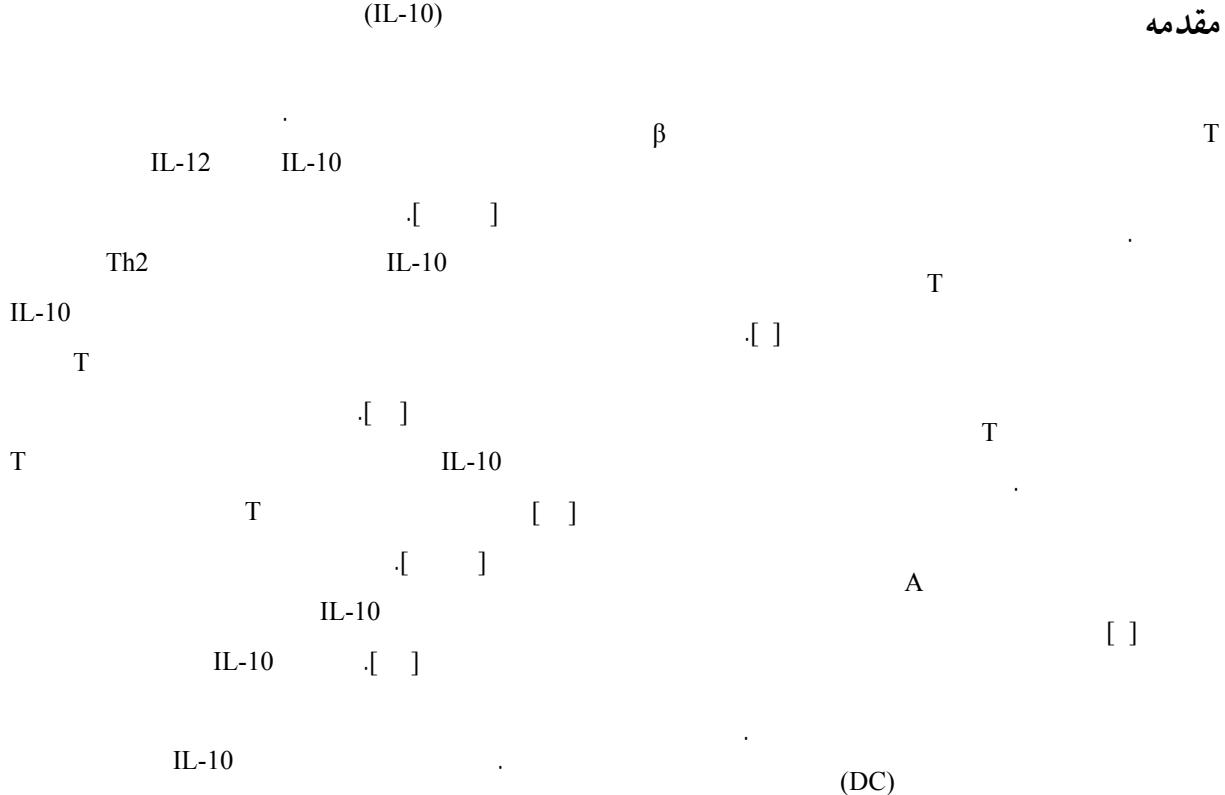
واژگان کلیدی:

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moazzeni@dr.com :

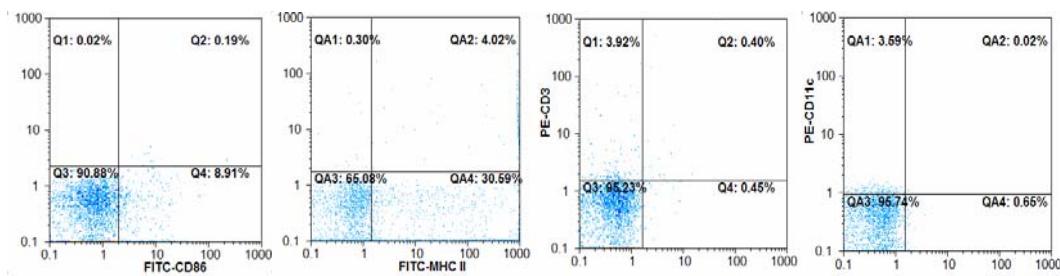
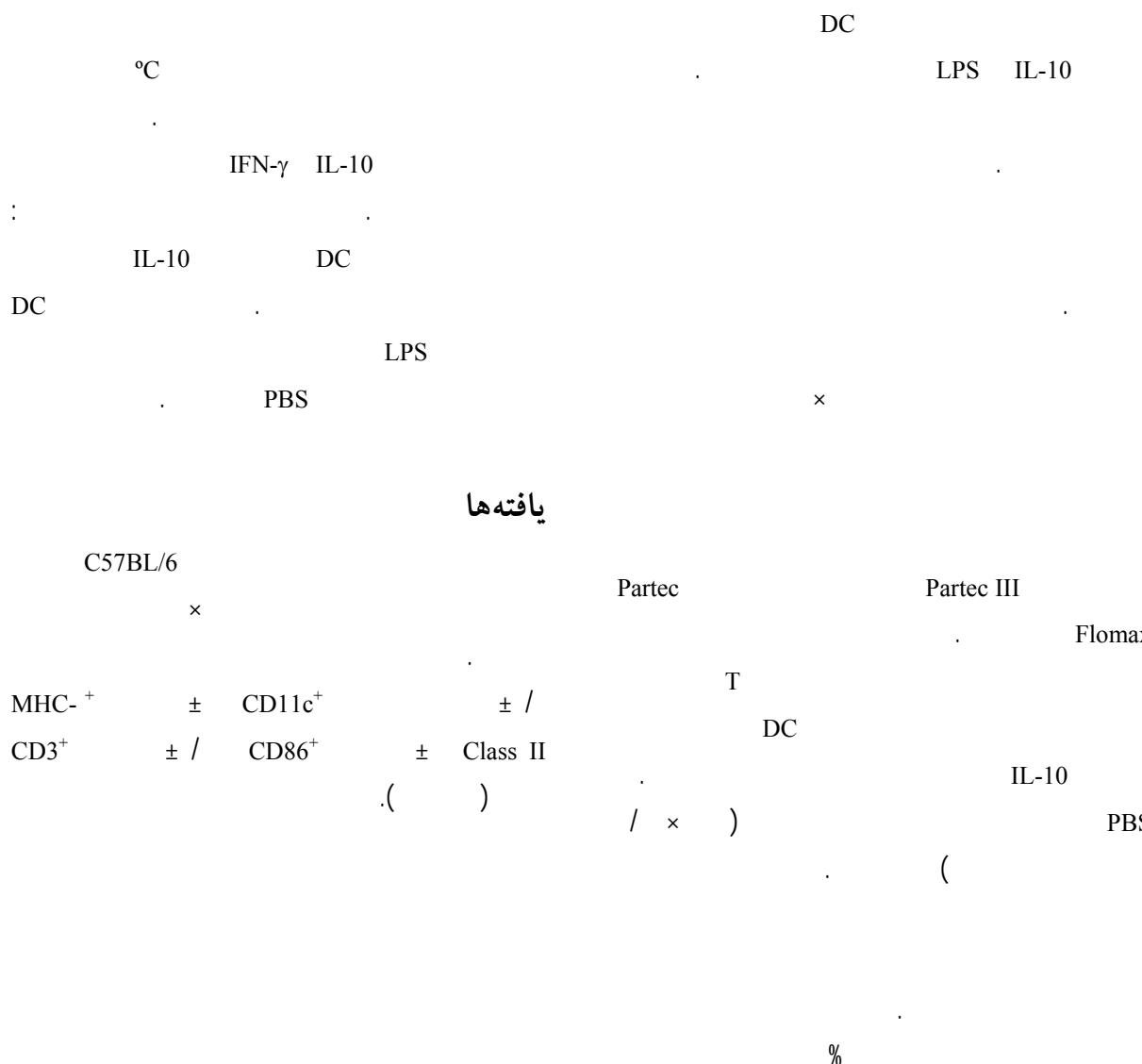
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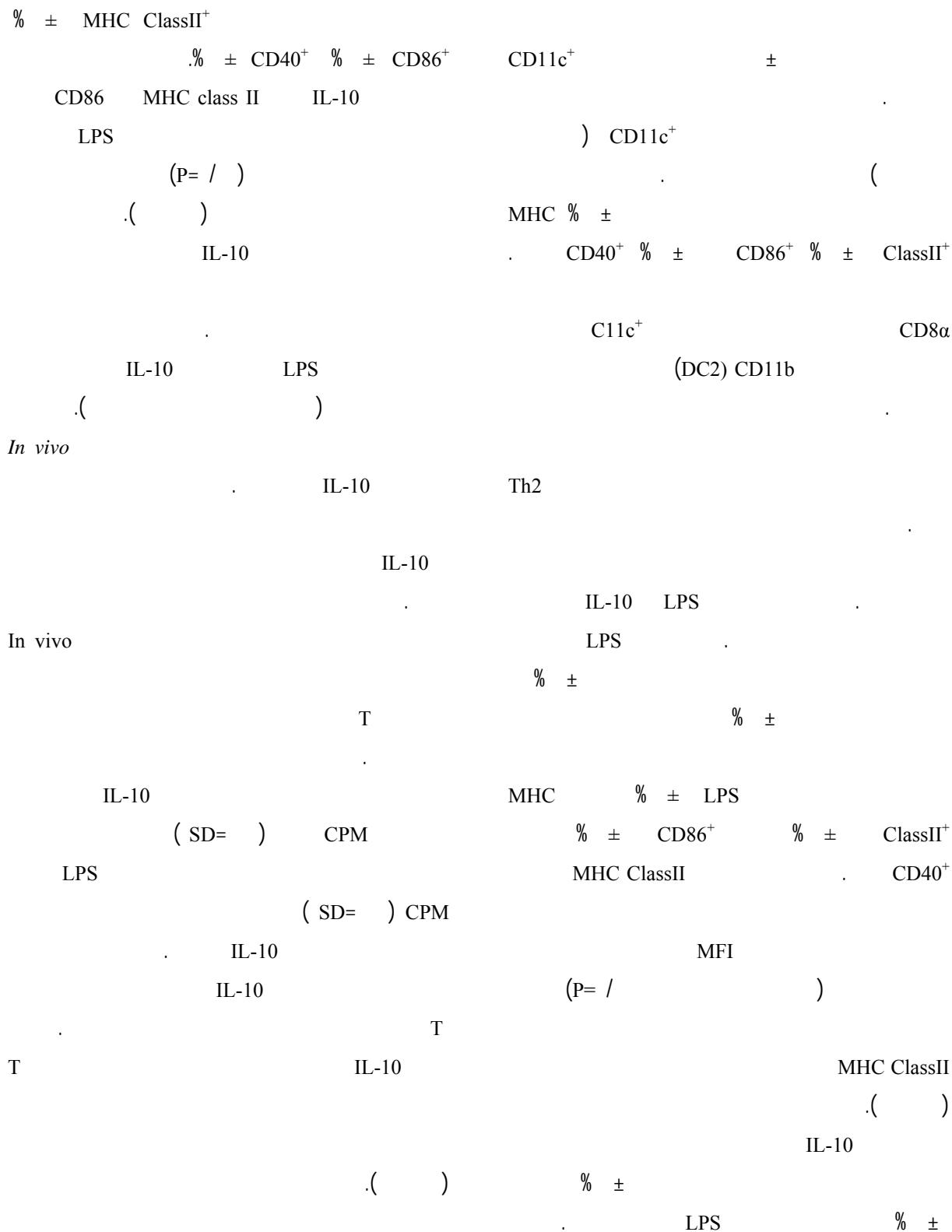
مقدمه**روش‌ها**

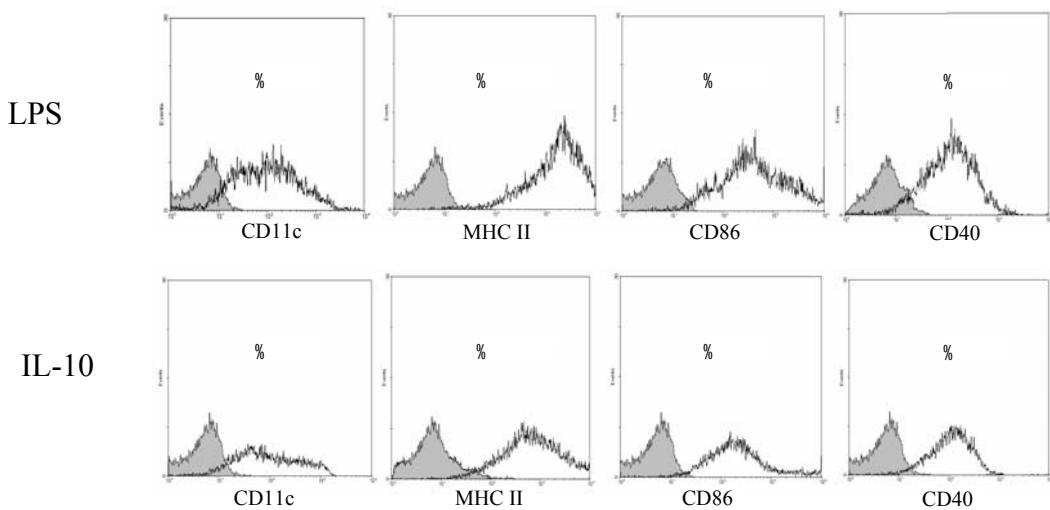
C57BL/6		(LPS)		T	
%	RPMI (Gibco)			CpG	DNA TNF- α
$\mu\text{g/ml}$	(Gibco)	U/ml	FBS (Gibco)	CD40	CD40
	(Sigma)		(Gibco)		IFN- γ
mrTNF- α	(Bender)	mrIL-4(R&D)	mrGM-CSF(R&D)		
mrIL-10	(Bender Med)	Med	Med	T	
anti-CD11c(PE-conjugated)				IL-12	
anti CD11b(FITC-conjugated)			Th2	Th1	
anti CD8 α (PE-conjugated)				[]	
anti-					

Haase		anti CD40(PE- MHC class II I-A ^E (FITC-conjugated)
U/ml	[]	anti CD86(PE-conjugated) conjugated)
	%	anti-CD3(PE-
	T	conjugated)
IL-10	BD	
		Biosciences
	CO ₂ %	
	() LPS	
DC		
% /		
g		
		% cc
Polyinosinic-Polycytidylic acid	mm	PBS
	(poly I/C)	
Insulin 2B chain		cc
peptide B: 9-23(SHLVEALYLVCGERG)	/	
		cc
μg/ml		(Flush out)
		g
DCs)	
T	x	(
DC	DC	RPMI
	(DC2 DC1)	
MHC-II CD11c	DCs	U/ml
CD86		rmIL-4
IL-10	CD40	u/ml rmGM-CSF
		% CO ₂ °C
	LPS	
	CD11b CD8α	%
CD8α		
DC		DC
	DC	
DC	CD11b	DC

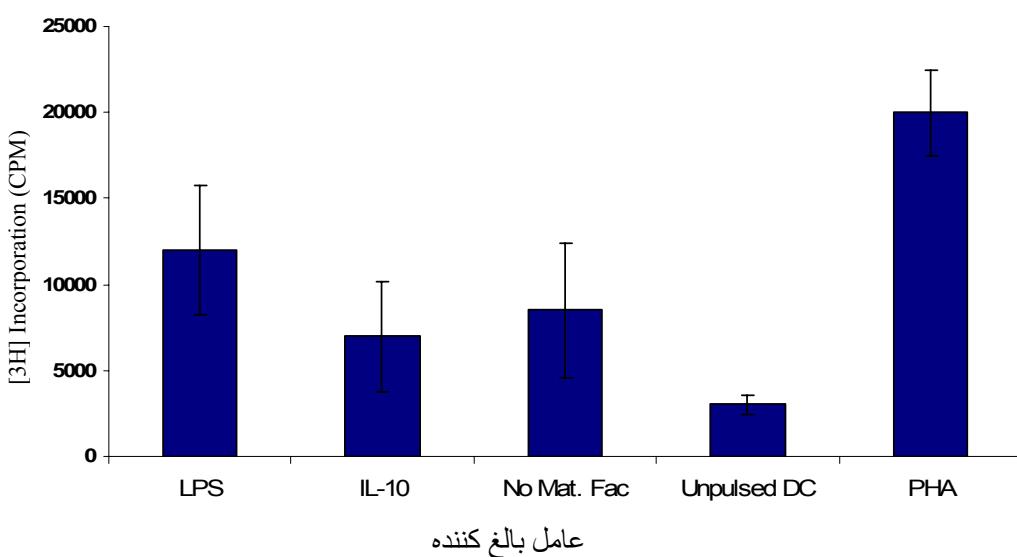


نمودار ۱- نمونه‌ای از نمودارهای حاصل از آنالیز فلوسیتومتری سلولهای بدست آمده از مغز استخوان

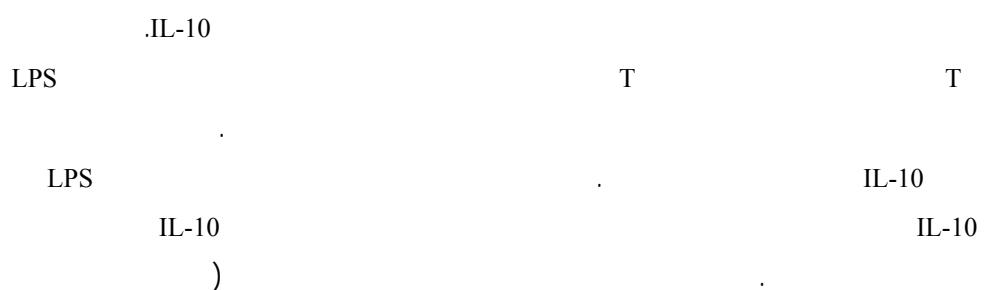


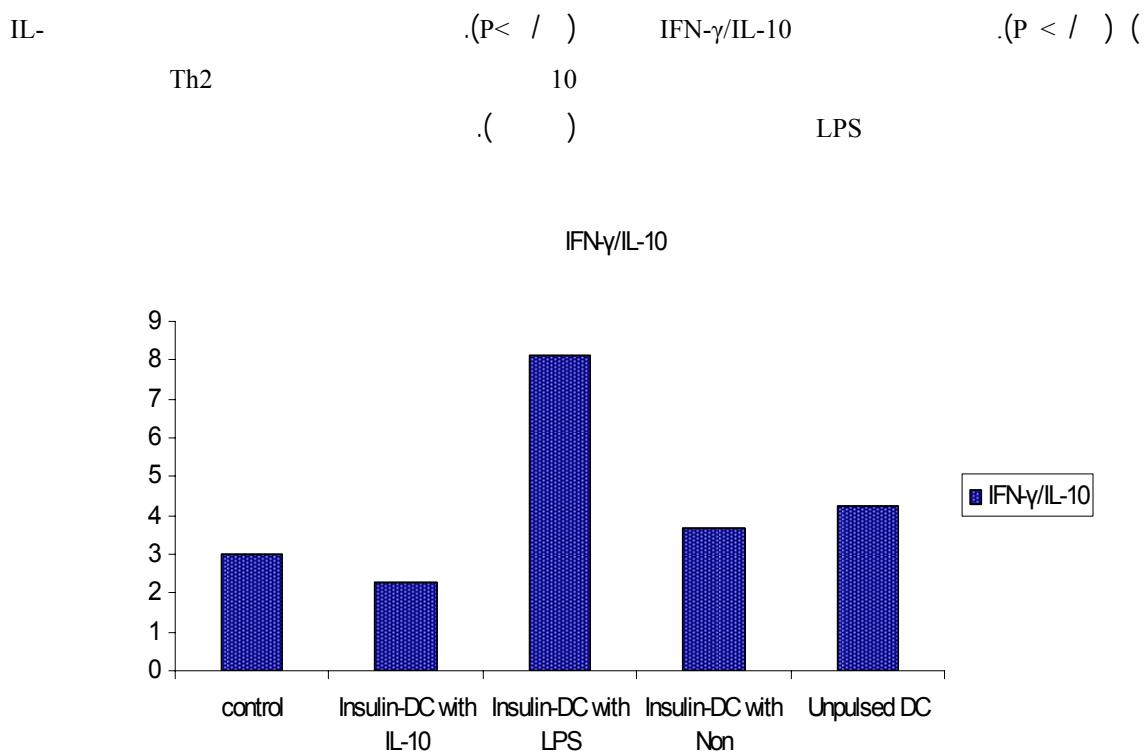


نمودار ۲- میزان بروز هر یک از شاخصهای بلوغ بر روی سلولهای دندانه‌گذاریک بعد از اضافه نمودن عوامل بلوغ. نمودارهای خاکستری مربوط به ایزووتیپ کنترل هر یک از شاخصها بر روی سلولهای مورد مطالعه می‌باشد.

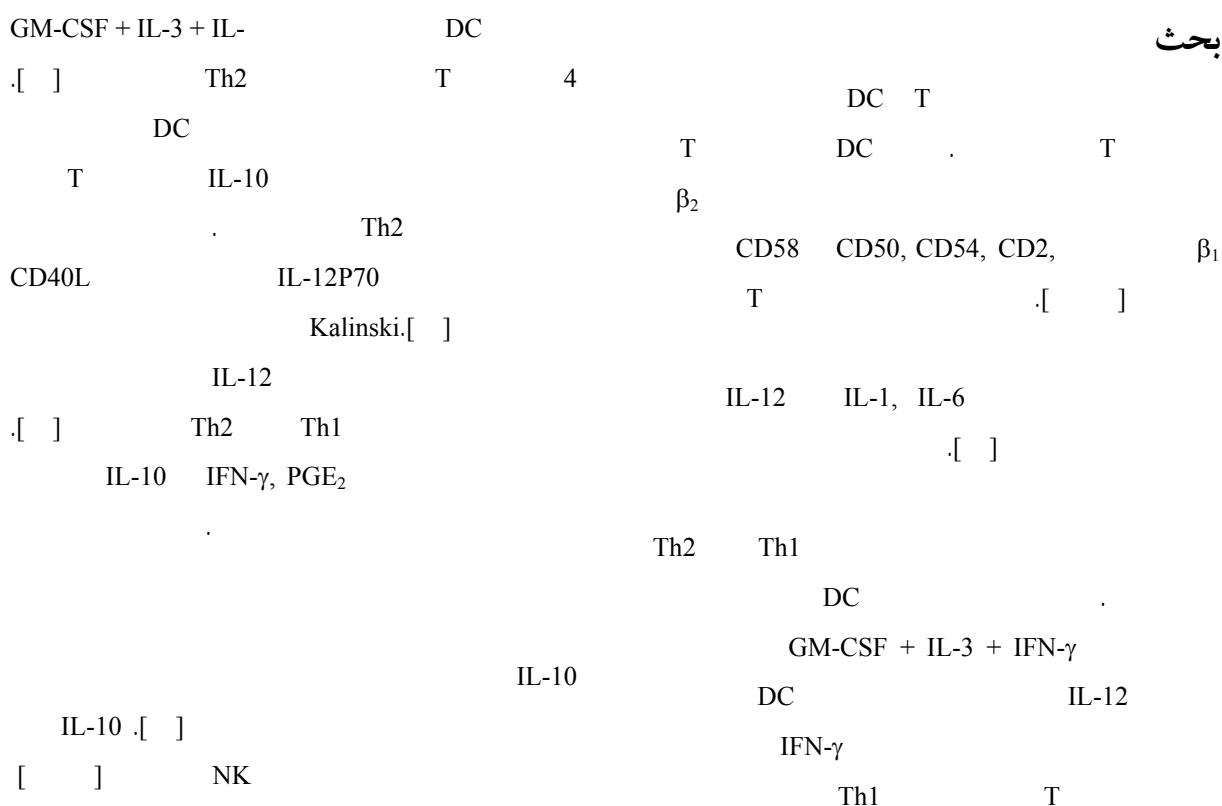


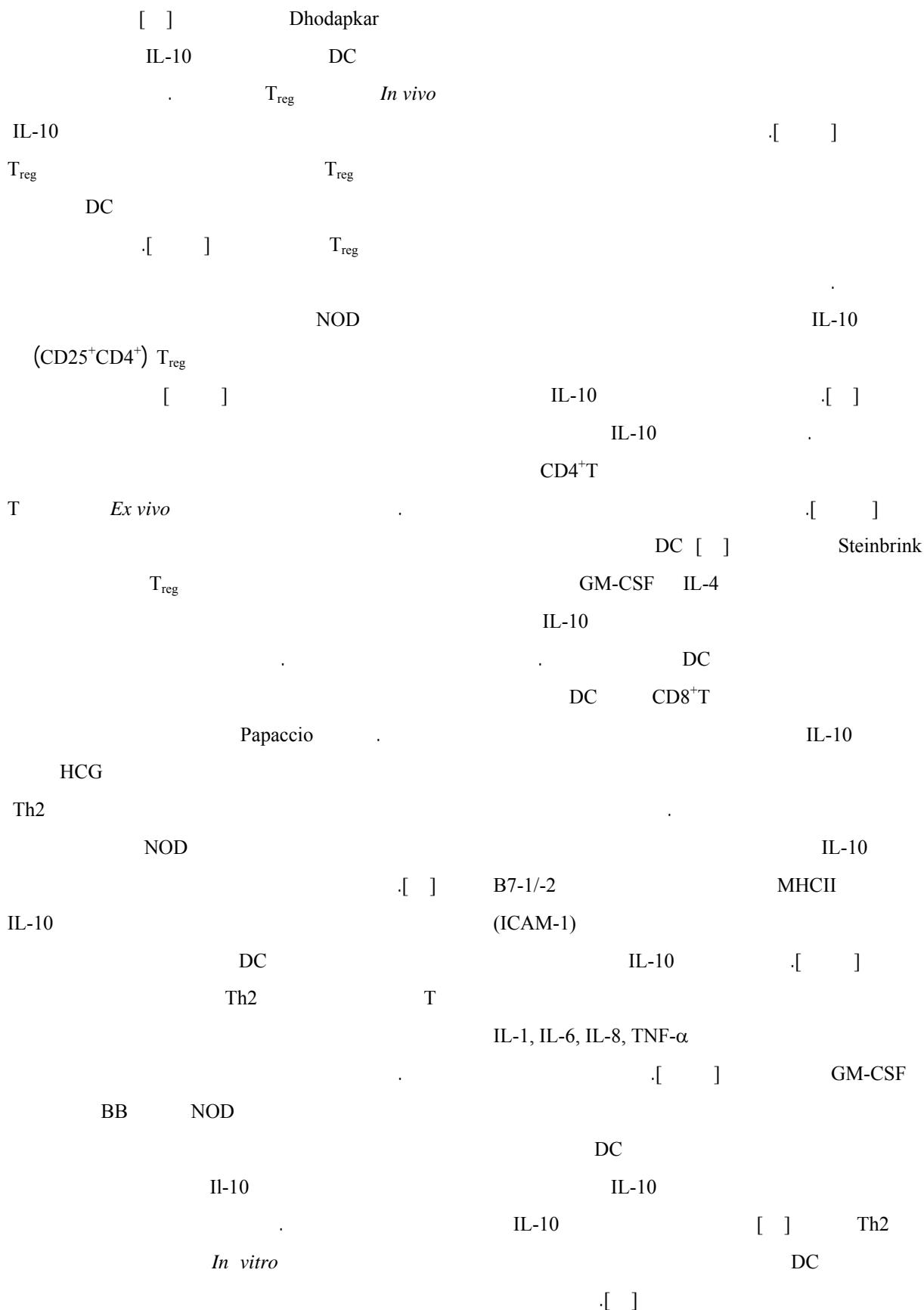
نمودار ۳- میزان تکثیر سلولهای T در مواجهه با آنتیژن در آزمون سنجش تکثیر سلولهای T در گروههای مختلف سلولهای دندانه‌گذاریک تیمار شده با IL-10 و LPS گروه No Mat. Fac و LPS مربوط به سلولهای دندانه‌گذاریک است که هیچ عامل بالغ کننده‌ای دریافت نکرده‌اند و Unpulsed DC مربوط به گروهی است که با پپتید انسولین بارگذاری نشده‌اند.





نمودار ۴- نسبت سایتوکین‌های INF γ /IL10 تولید شده توسط لنفوцит‌های T در گروه‌های مورد مطالعه تزریق شده توسط سلول‌های دندربیکی که به صورت‌های متفاوتی تیمار شده‌اند.





IL-10

ماخذ

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