

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

*

چکیده

مقدمه:

T

(DCs)

T

IL-4 GM-CSF

روش‌ها:

LPS IL-10

T

IL-10

($P < /$)

MHC class II

یافته‌ها:

($P < /$)

IL-10

IFN- γ

IL-10

IL-10

IL-10

واژگان کلیدی:

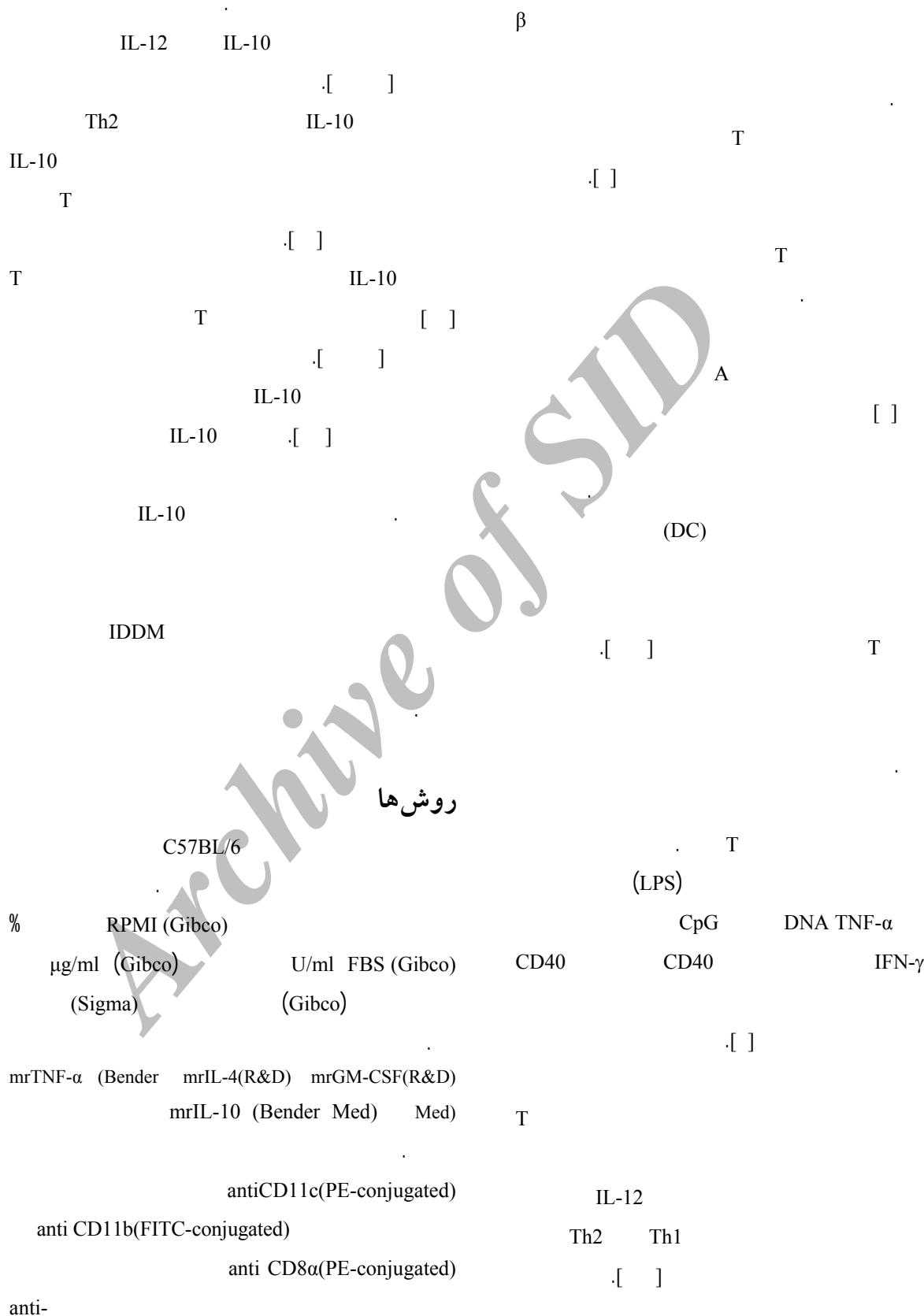
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مقدمة



Haase U/ml [] anti CD40(PE- MHC class II I-A^E(FITC-conjugated) anti CD86(PE-conjugated) conjugated) anti-CD3(PE- % T conjugated) IL-10 BD Biosciences CO₂ % () LPS DC % / g

Polyinosinic-Polycytidylic acid (poly I/C) PBS cc mm cc

Insulin 2B chain peptide B: 9-23(SHLVEALYLVCGERG) / cc μg/ml (Flush out) g

DCs T × () RPMI DC DC (DC2 DC1)

MHC-II CD11c DCs U/ml cm²

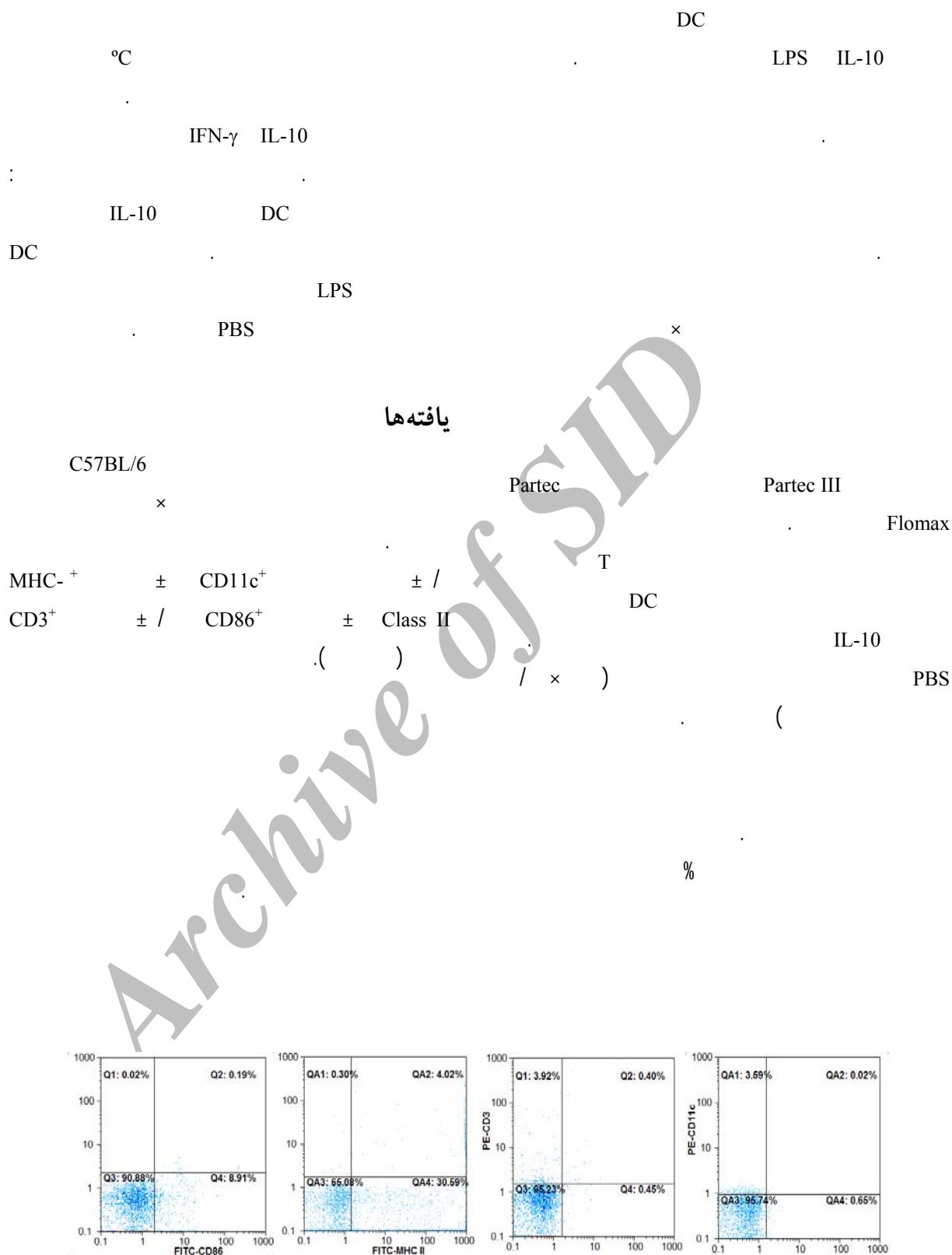
CD86 rmIL-4 u/ml rmGM-CSF

IL-10 CD40 % CO₂ °C

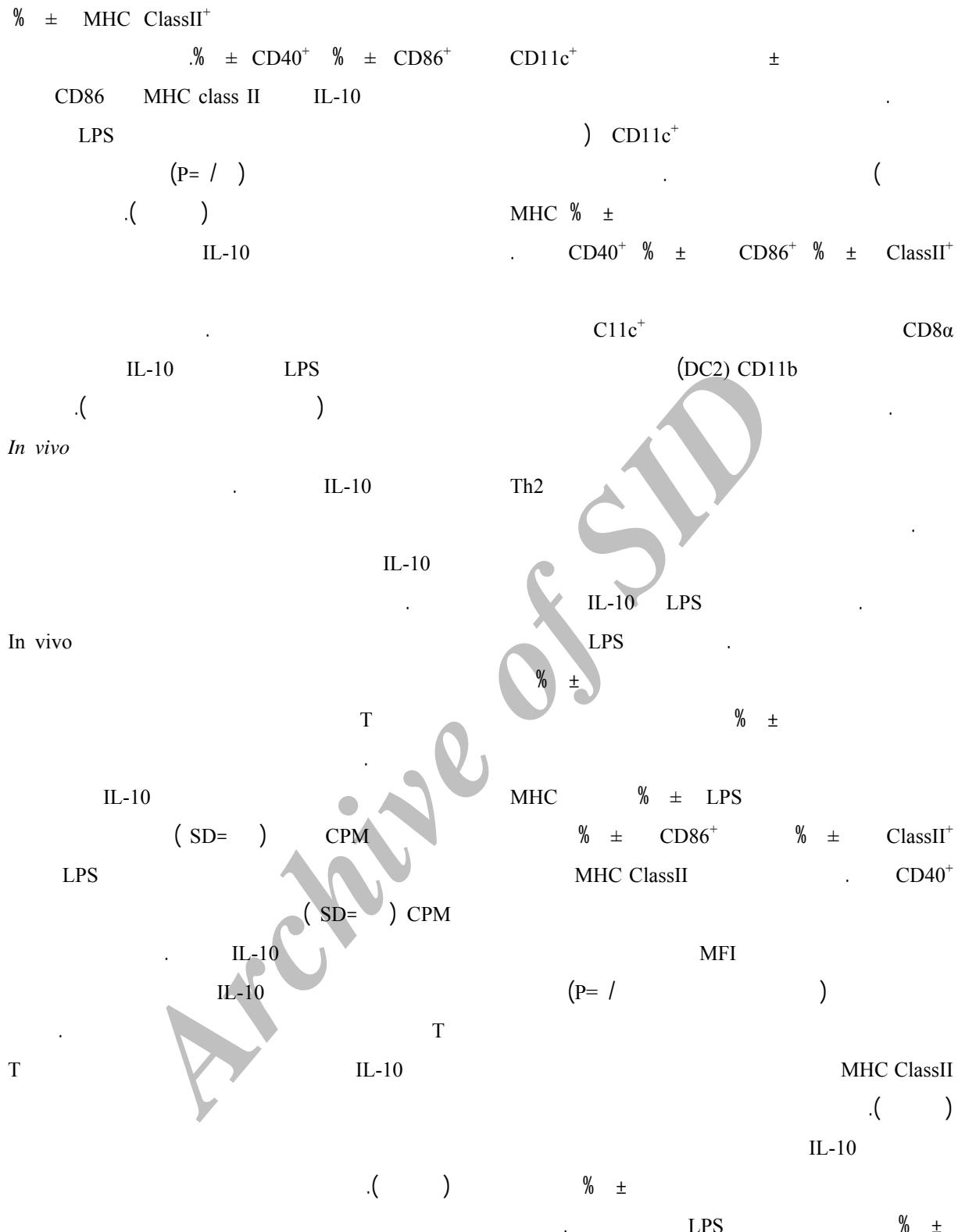
LPS CD11b CD8α %

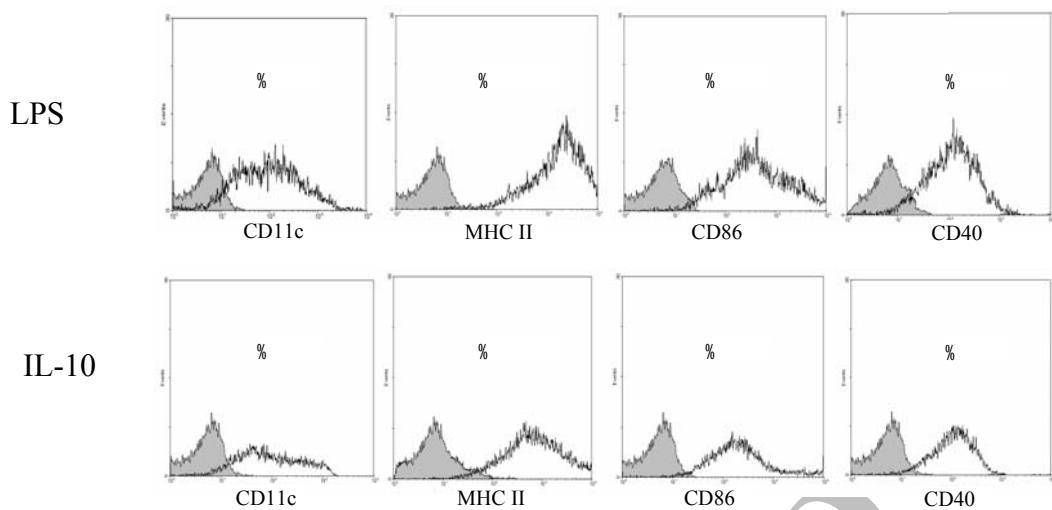
CD8α DC DC

DC CD11b

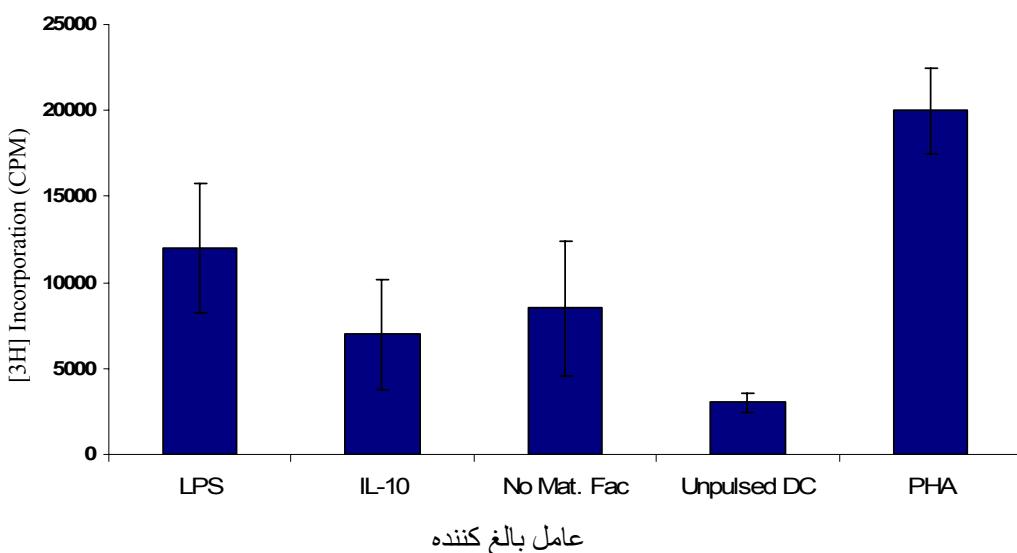


نمودار ۱- نمونه‌ای از نمودارهای حاصل از آنالیز فلوزیتومتری سلولهای بدست آمده از مغز استخوان

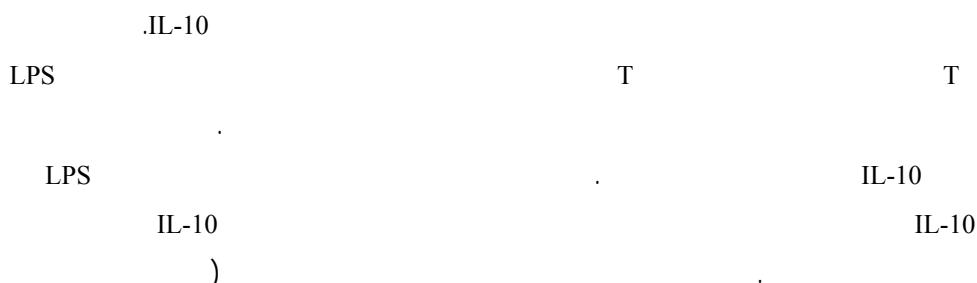


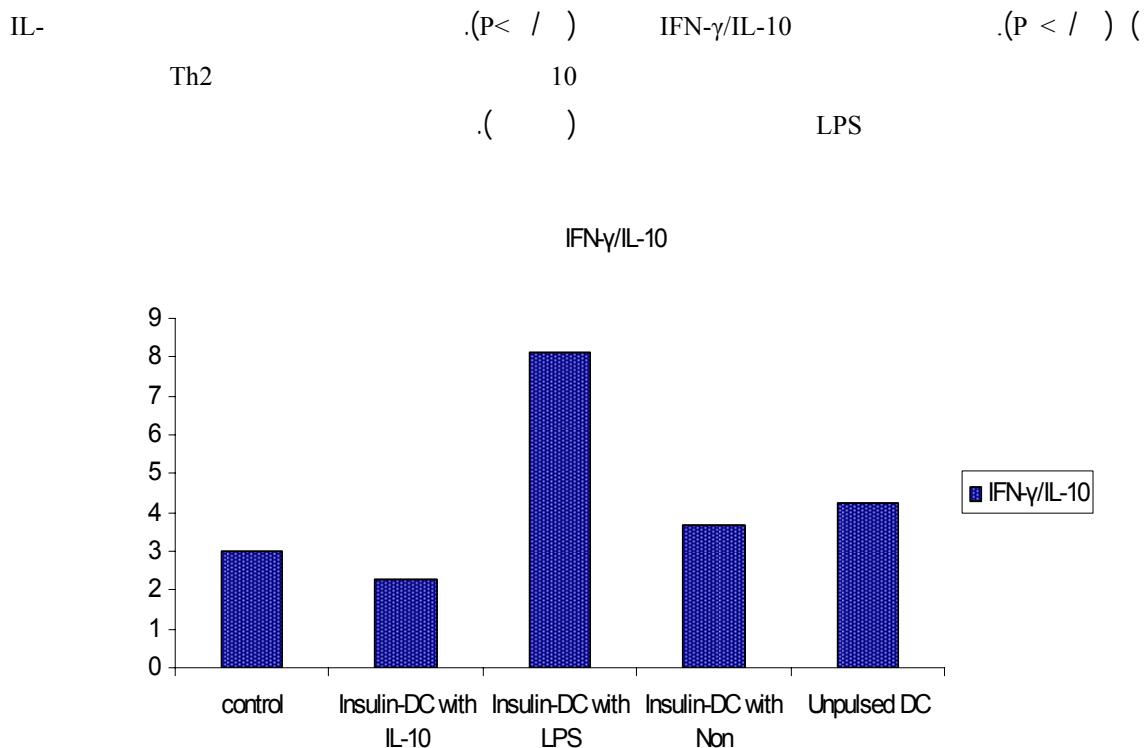


نمودار ۲- میزان بروز هر یک از شاخصهای بلوغ بر روی سلولهای دندانه‌گذاریک بعد از اضافه نمودن عوامل بلوغ. نمودارهای خاکستری مربوط به ایزووتیپ کنترل هر یک از شاخصها بر روی سلولهای مورد مطالعه می‌باشد.

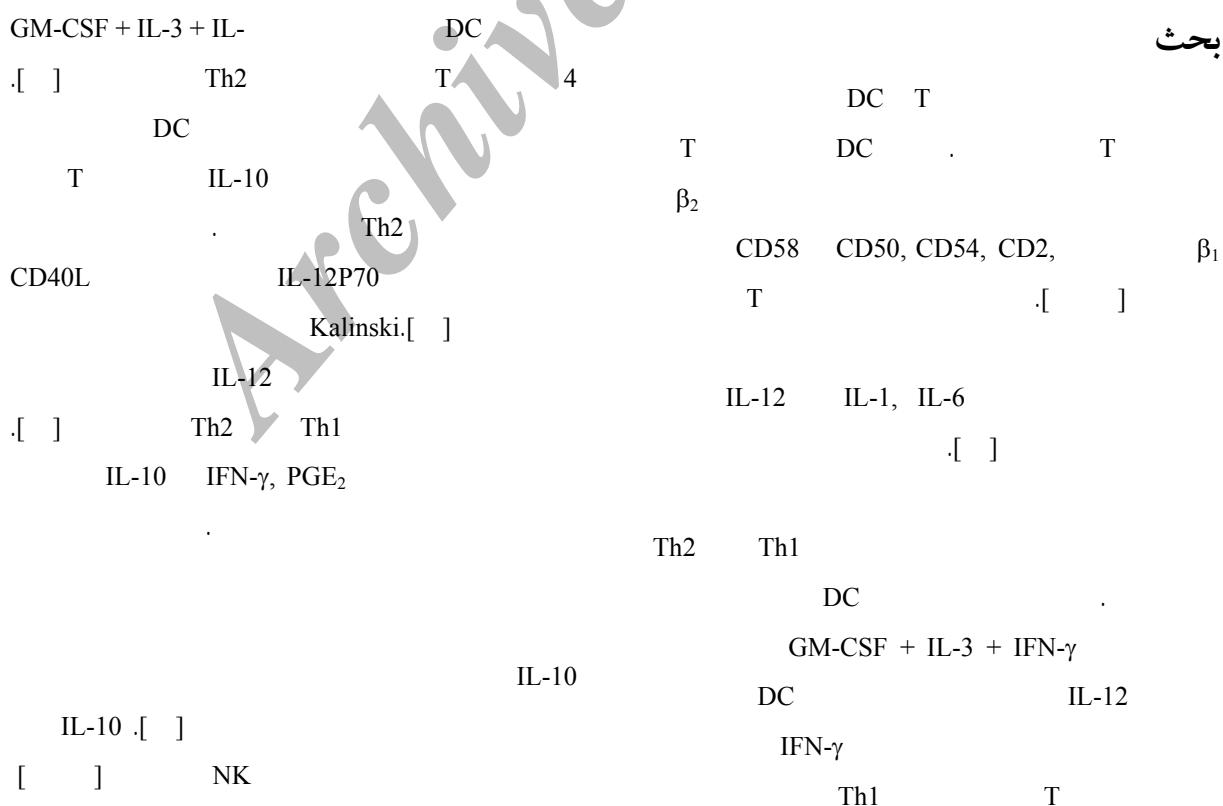


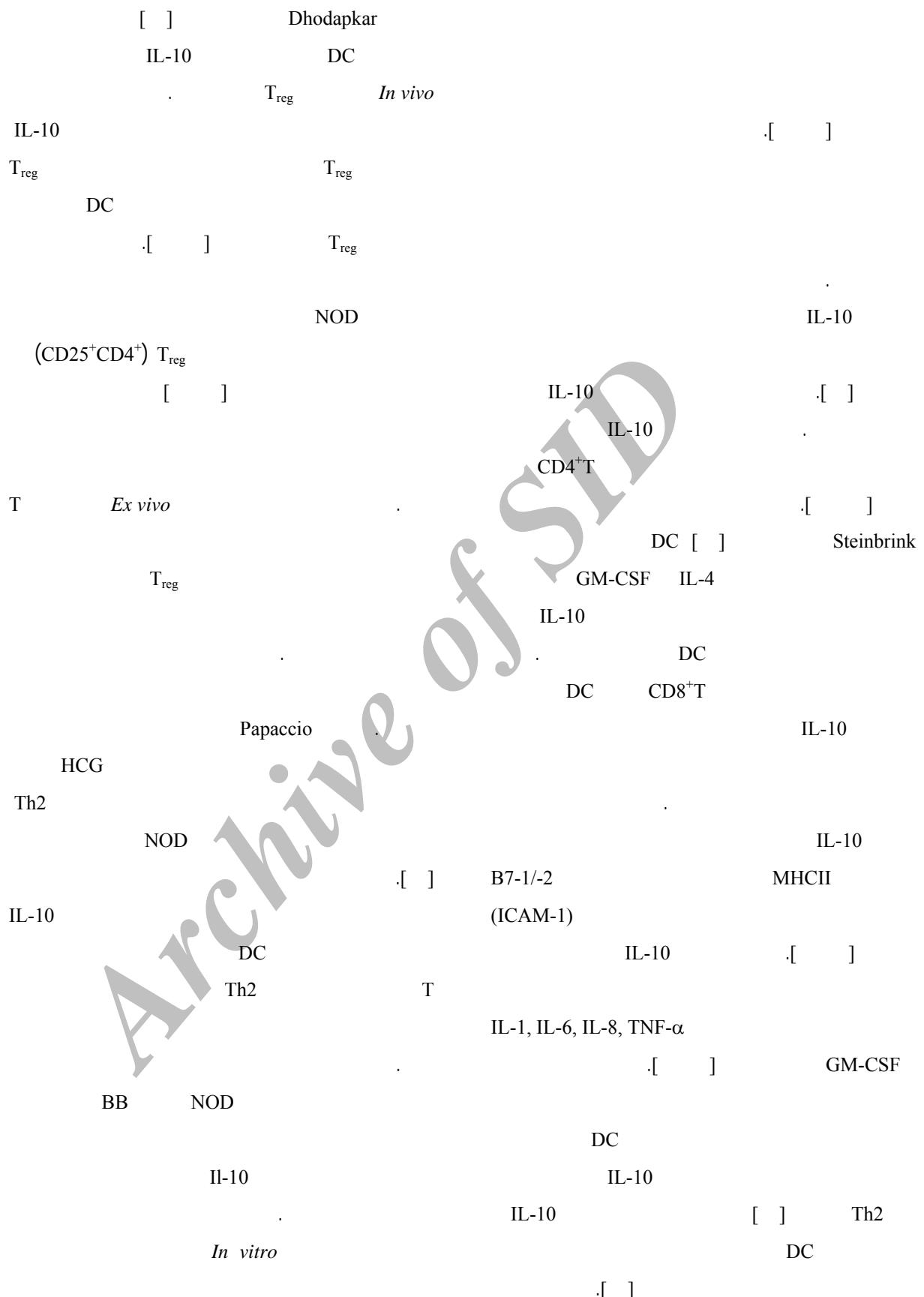
نمودار ۳- میزان تکثیر سلولهای T در مواجهه با آنتیژن در آزمون سنجش تکثیر سلولهای T در گروههای مختلف سلولهای دندانه‌گذاریک تیمار شده با IL-10 و LPS گروه No Mat. Fac است که هیچ عامل بالغ کننده‌ای دریافت نکرده‌اند و گروه unpulsed DC مربوط به گروهی است که با پپتید انسولین بارگذاری نشده‌اند.





نمودار ۴- نسبت سایتوکین‌های $\text{INF}\gamma/\text{IL}10$ تولید شده توسط لنفوцит‌های T در گروه‌های مورد مطالعه تزریق شده توسط سلول‌های دندربیکی که به صورت‌های مختلفی تیمار شده‌اند.





IL-10

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