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## **PD-L2 is expressed on activated human T cells and regulates their function.**

Nassima Messal, Nacer-Eddine Serriari, Sonia Pastor, Jacques Nunès, Daniel Olive

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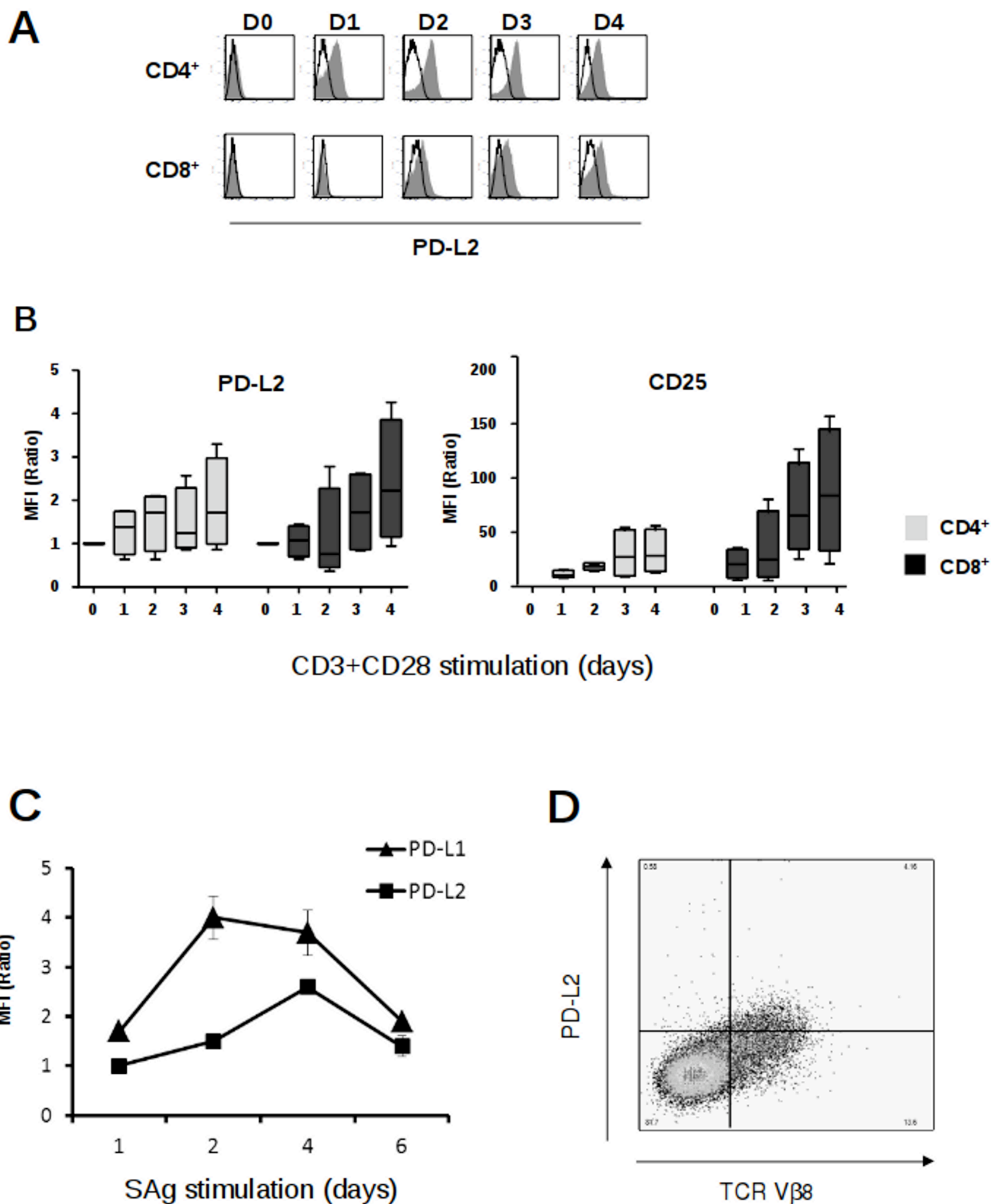
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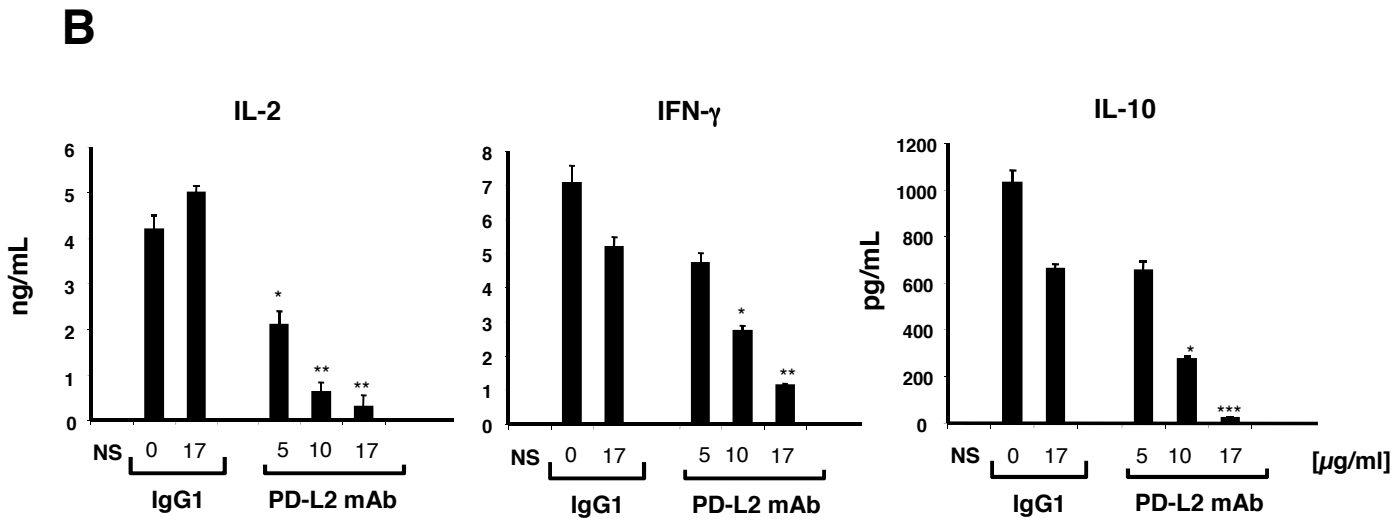
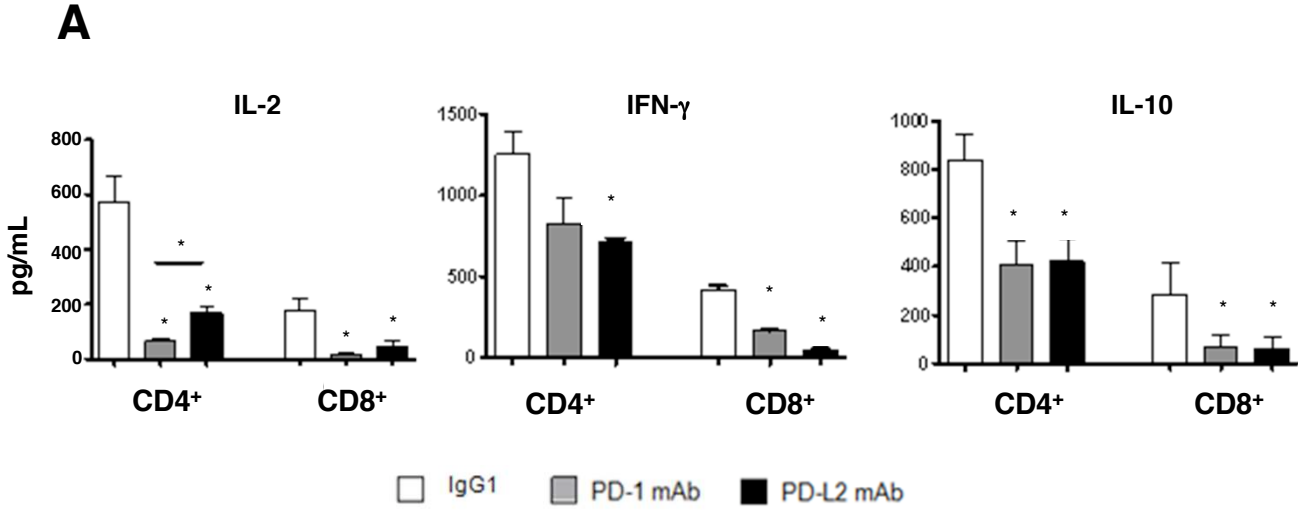
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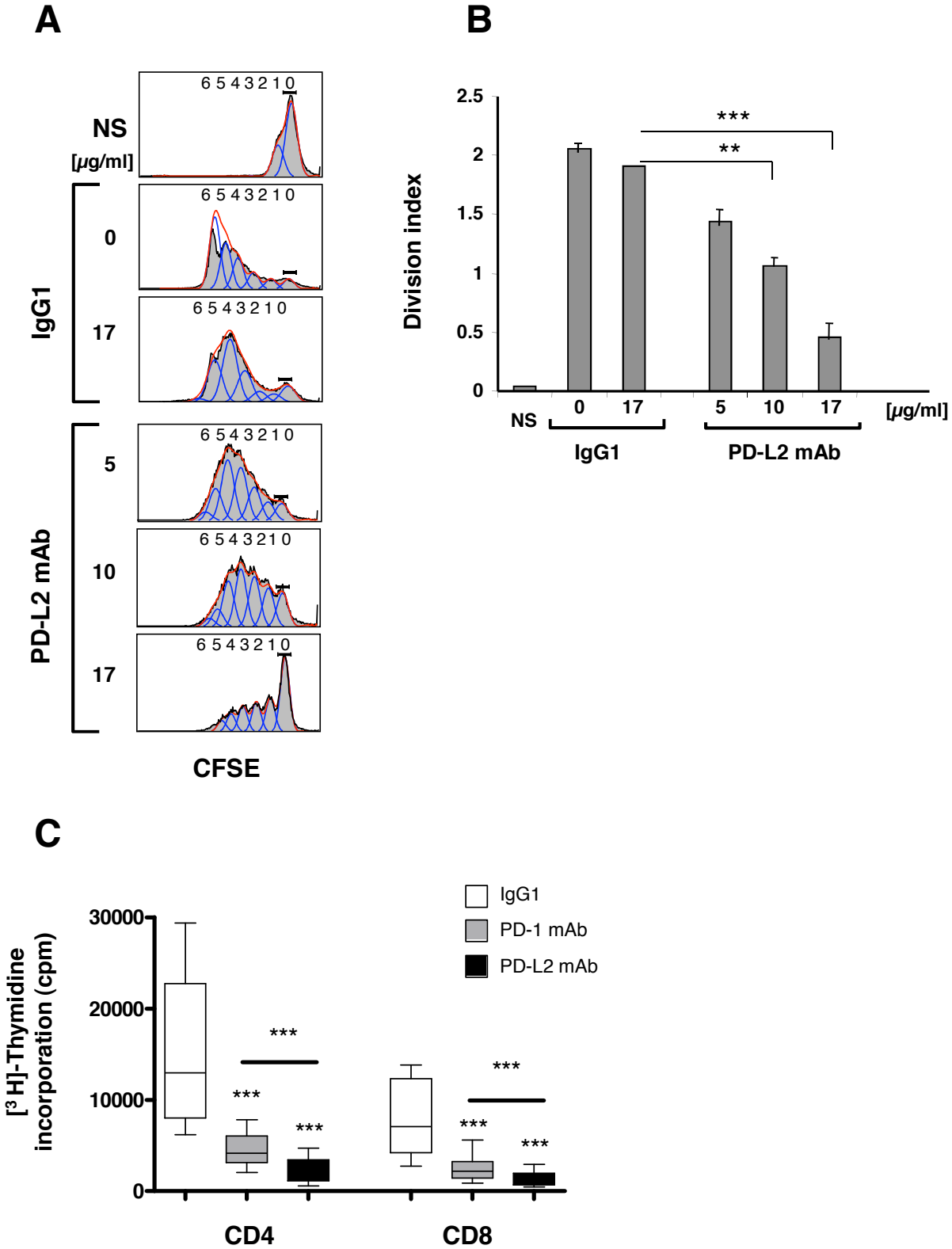
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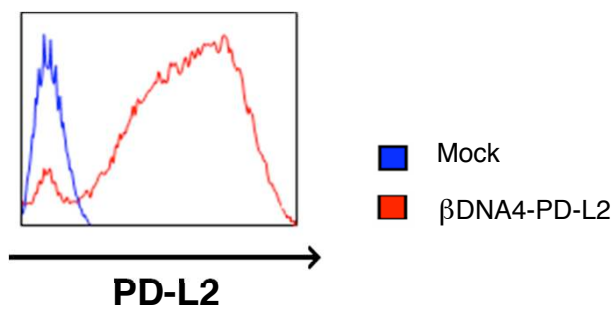
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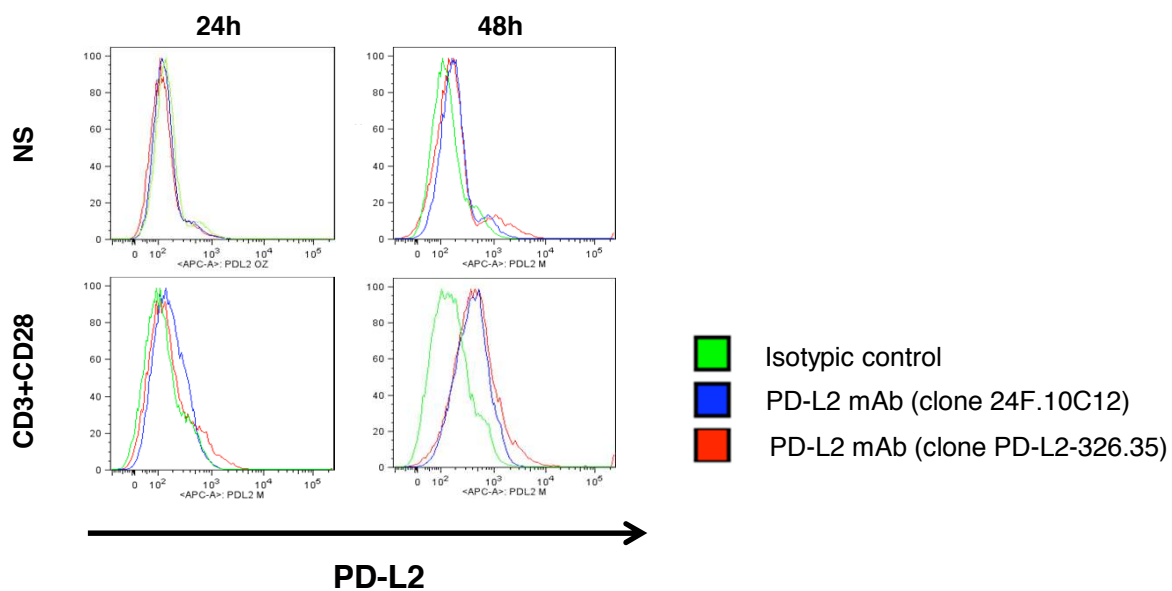




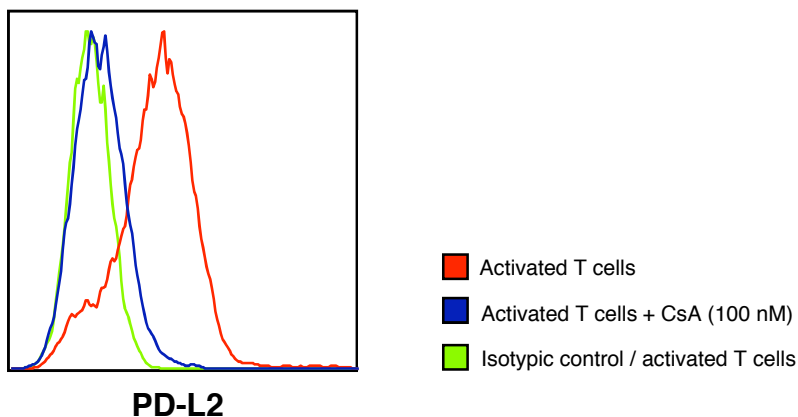
**A**



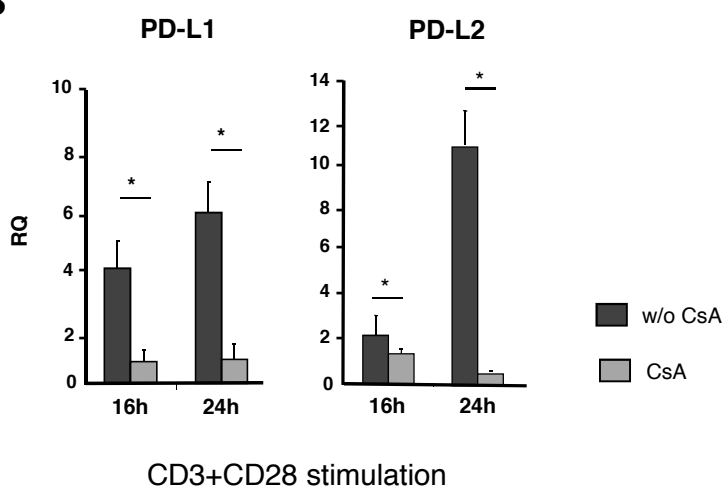
**B**



A



B



C

```

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TCAGAGCAGCTCTGCTGTTGCCTGATTTAGATGTAT GGCTCC AACAGATTTCCCCTGAAG
                NFAT
AAATGATTCCATGGCTGATAAAAAGTTGGAAAGCCTCCTCAGTTTCAGACCATTATCAGAT
                GATA2      IL6R  NFkB
TAGCTGTGTGCTCTGTCCC TTTCCTC AACATAAGAAGTCCATGGATAAAGAAAGCTTCA
                NFAT      IRF1
GAGTAAAGGAGAAAAGCATGGGAGGTACAGCAGGACCAAGGTGGGGCATTTCGCAGCCCCCA
CCCTCATCAGAGCCAGTTCCTACTCTCCCTGTCTAAACCTCTTAGTAAGAGGTAGTTCA
                P53
AGAGAGGGGCAAACCTCAATTCAGCACTCAAAGCACTTGACTACTTTGCTCAGTCAACT
                IL6
AGCAAGTATTTATTGAGAATGTAGCTCTGTCTATGGAGTCT TATTTTCA AGTGTCAGAC
                GR      SP1      NFAT
TCCAGACATCCAGTCCAGGTAAAGAAGATGGTGTCCATTATTCAATTTGACAAACAAAGT
TGGGGTTCAAGGGCCAGCTATTGAAAAAGCTATGGAAAGCTTCATGAGACGTGCAGGTA
                NF1      IL6R
ACTGCCAATA TGTGTGGTTC ACAAGGACTGGTTCATATT CAGAAACG GCCATT TAGAAAAG
                NF1      SP1      NF1
GAAGAAGAATCTCATTTGG ATTTATA AAGAGTGTCTTGTCTTACTCTTA ATTTAT ATCT
                TATA BOX      TFIID
TCTCTTCTCCAGGAAATCAACCTATAACTTCTCCTCCCAAGCTCCACTCTACCATGGTCTG
                GR      CACC BOX      SP1
TCACCTTCCCAAATGATTTGTT ATTC CCCTGTTTCAAAAGTGAACAAGAACCAAGA
                GR      GR
CCCAGCAAAGTTTCAAGGCCCTGAGACTTTCAATTGTCTATTT CAGATCAAATACAGAA
cATG
    
```

 NFAT binding sites

**Human**

```
1 miflllmlsl elqlhgiaal fvtvtpkely iiehgsvtl ecnfdtgshv nlgaitaslg  
61 kvendtsphr eratlleegl plgkasfhip qvqvrdeggy qciiygvaw dykyltlkvk  
121 asyrkinthi lkvpemdeve ltcgatgypl aevswpnsvs pantsshrtp eglyqvtsvl  
181 rlkpppgrnf scvfwthvr eltlasidlg sgmeprthpt wllhifipfc iiafifiatv  
241 ialrkqlcqk lysskdtkr pvtttkrevn sai
```

**273 aa**

**Class I PDZ-binding-Like motif**

**Mouse**

```
1 mllllpilnl slqlhpvaal fvtvapkevy tvdvgsvsvl ecdfdrrect elegiraslg  
61 kvendtslgs eratlleegl plgkalfhip svqvrdsqgy rclvicgaaw dykyltlkvk  
121 asymridtri levpgtgevq ltcgargypl aevswqnvsv pantsshirtp eglyqvtsvl  
181 rlkpppsrnf scmfwnahmk eltsaiidpl smepkvprt wplhvfipec tialiflaiv  
241 iiqrkri
```

**247 aa**