



**HAL**  
open science

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

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

► **To cite this version:**

Nassima Messal, Nacer-Eddine Serriari, Sonia Pastor, Jacques Nunès, Daniel Olive. PD-L2 is expressed on activated human T cells and regulates their function.. *Molecular Immunology*, 2011, 48 (15-16), pp.2214-9. 10.1016/j.molimm.2011.06.436 . inserm-00600726

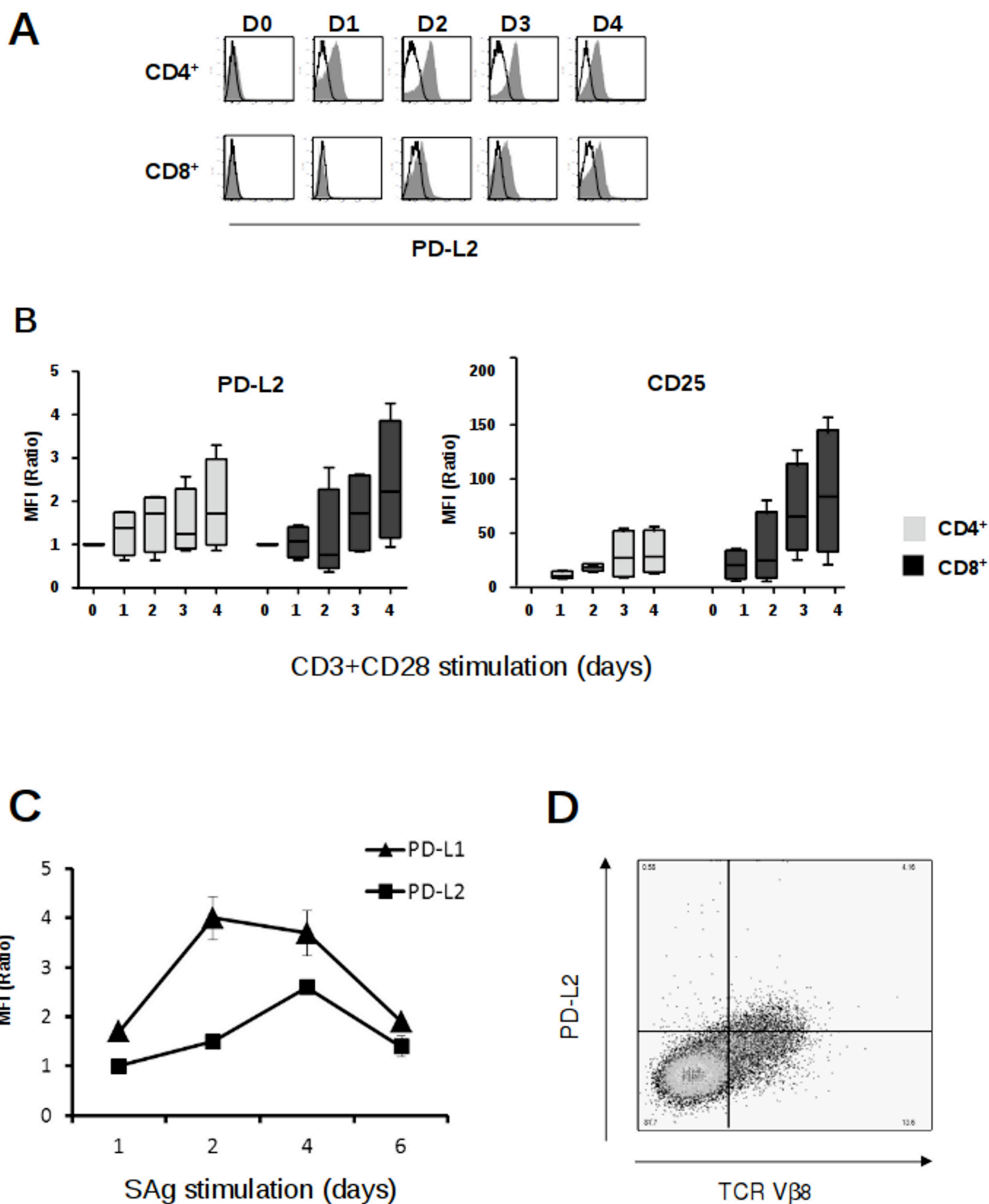
**HAL Id: inserm-00600726**

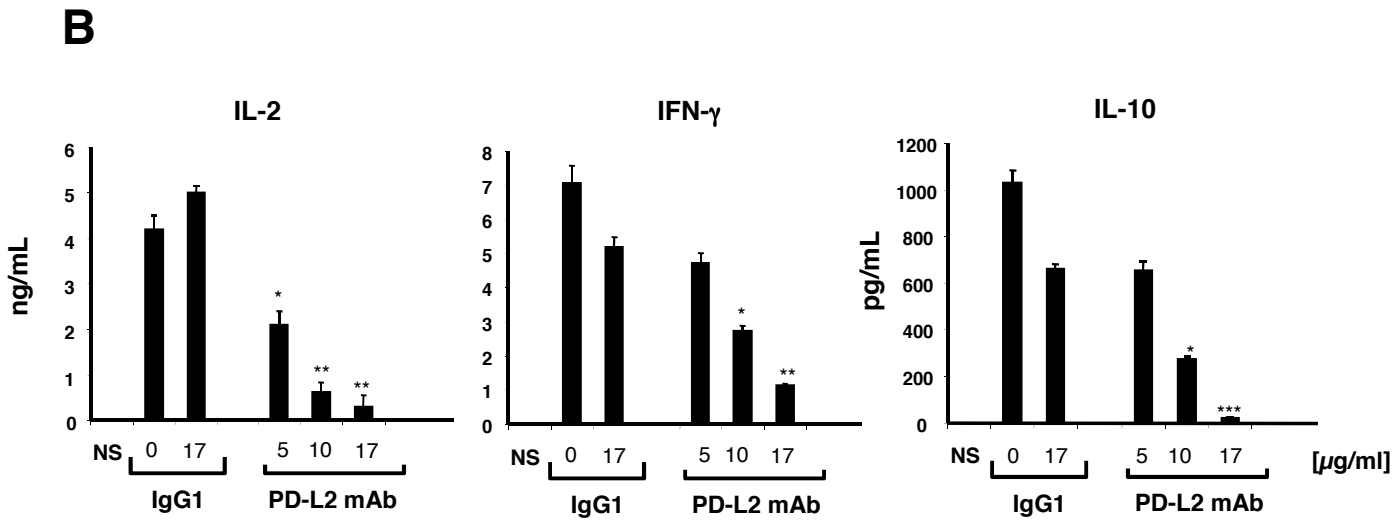
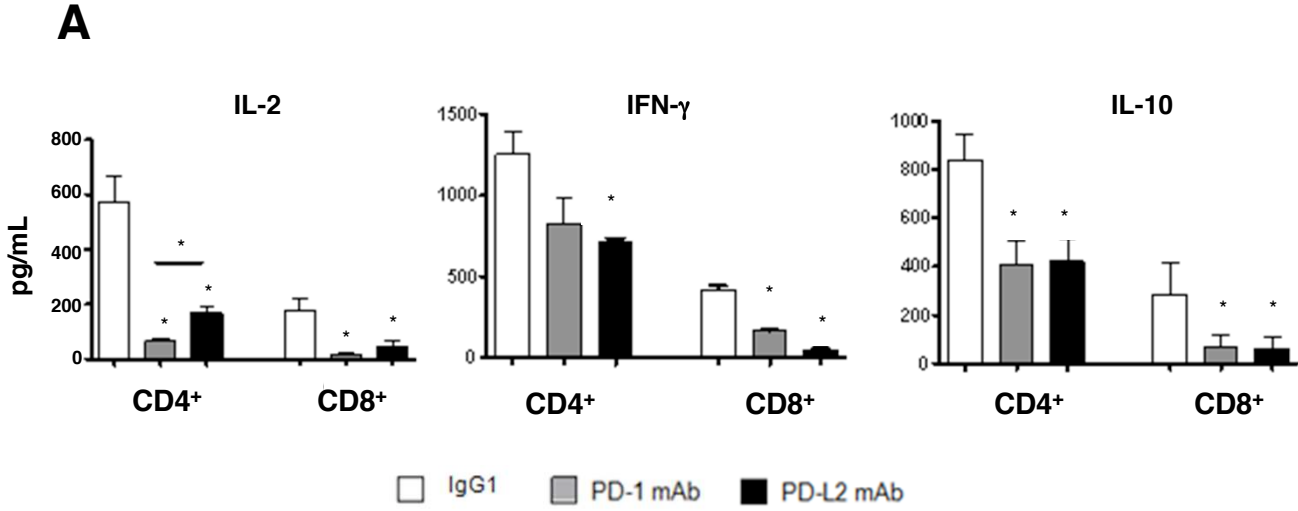
**<https://inserm.hal.science/inserm-00600726>**

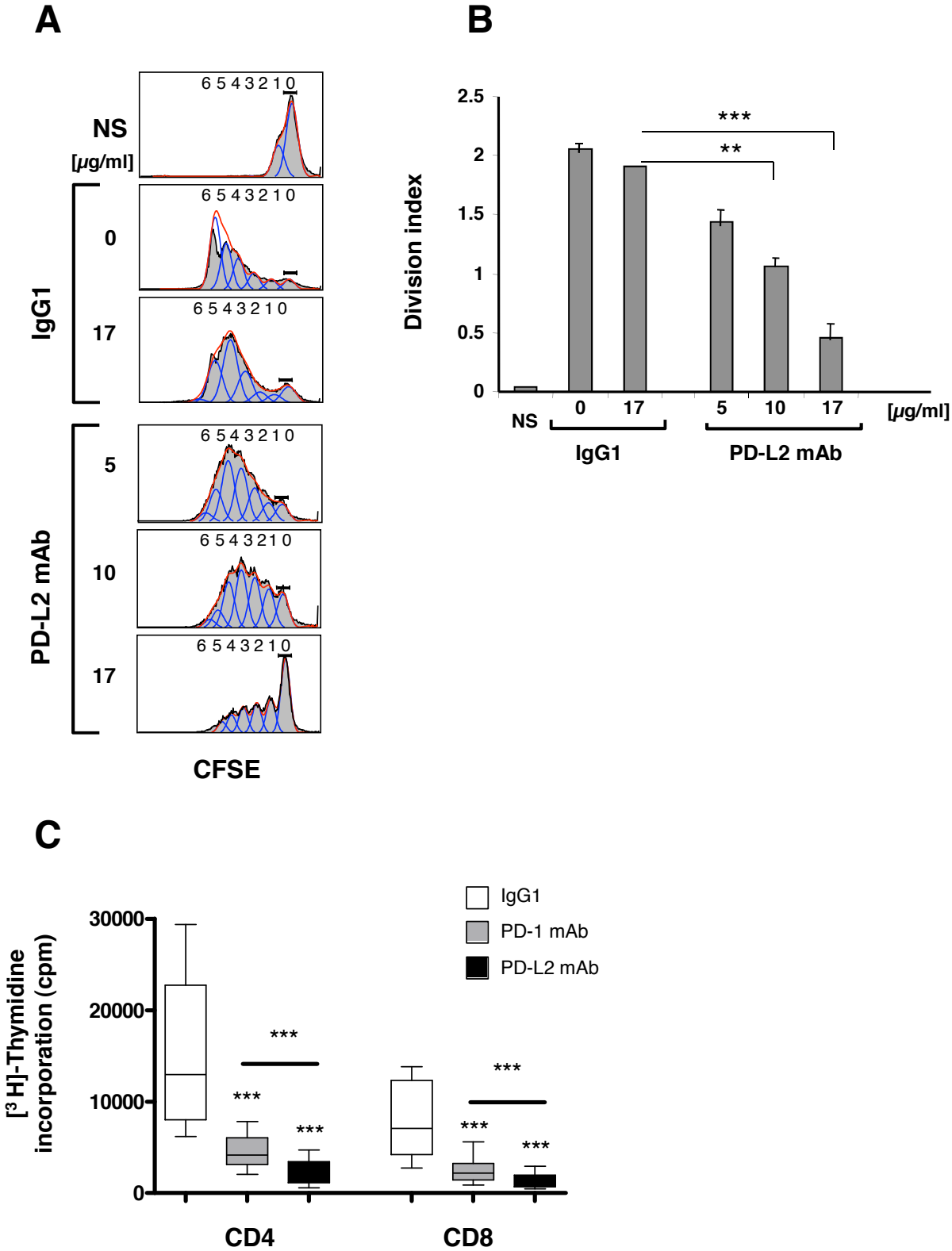
Submitted on 10 Jan 2012

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

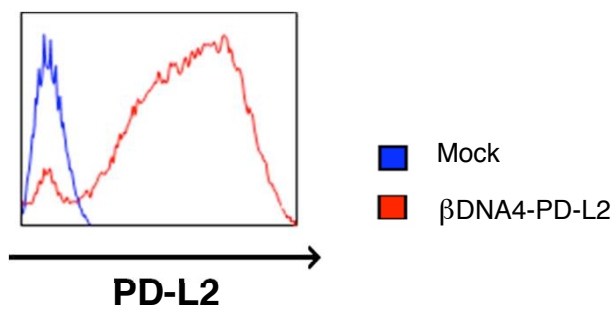
L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



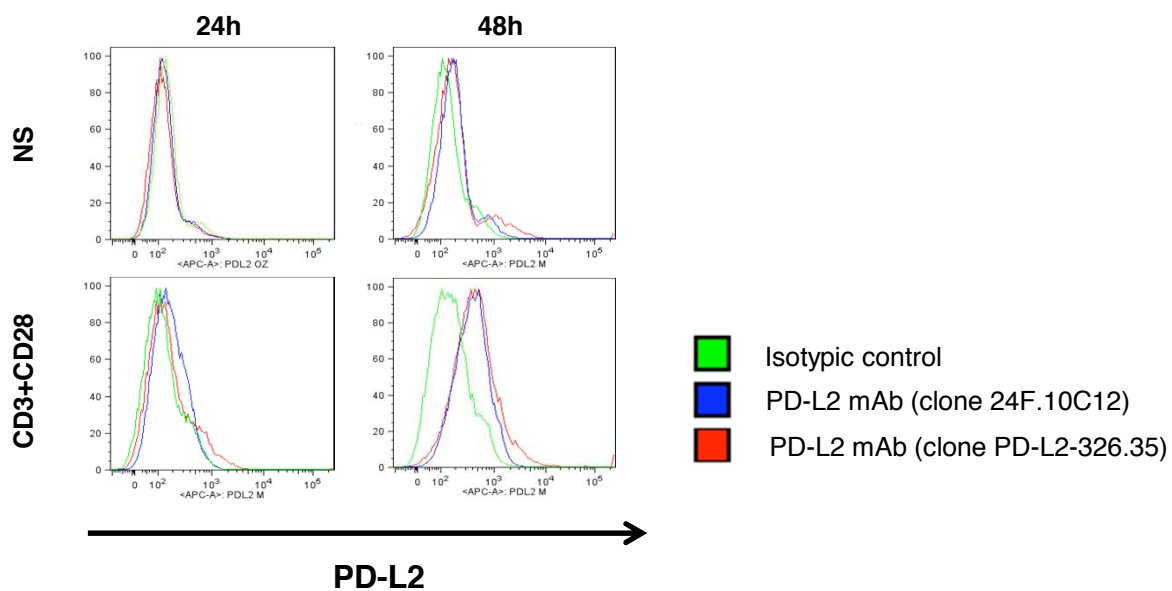




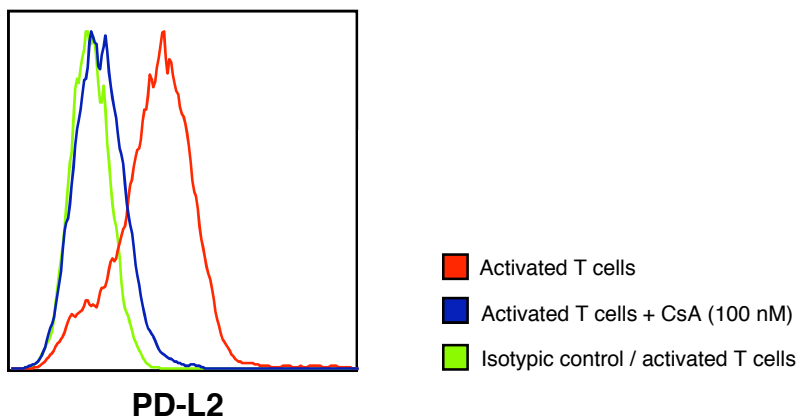
**A**



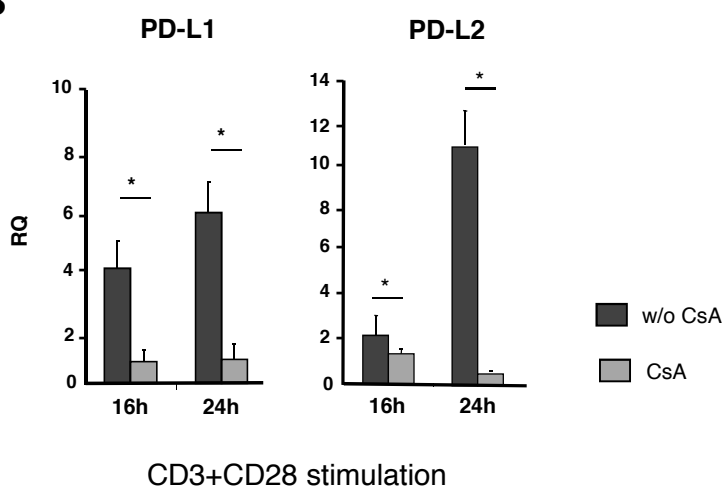
**B**



A



B



C

```

                C C C A A A C C C T C C A C T G C T T T T C A T C A C A C
TCAGAGCAGCTCTGCTGTTGCCTGATTTAGATGTAT GGCTCC AACAGATTTCCCCTGAAG
                NFAT
AAATGATTCCATGGCTGATAAAAAGTTGGAAAGCCTCCTCAGTTTCAGACCATTATCAGAT
                GATA2      IL6R  NFkB
TAGCTGTGTGCTCTGTCCC TTTCCTC AACATAAGAAGTCCATGGATAAAGAAAGCTTCA
                NFAT      IRF1
GAGTAAAGGAGAAAAGCATGGGAGGTACAGCAGGACCAAGGTGGGGCATTTCGCAGCCCCCA
CCCTCATCAGAGCCAGTTCCTACTCTCCCTGTCTAAACCTCTTAGTAAGAGGTAGTTCA
                P53
AGAGAGGGGCAAACCTCAATTCAGCACTCAAAGCACTTGACTACTTTGCTCAGTCAACT
                IL6
AGCAAGTATTTATTGAGAATGTAGCTCTGTCTATGGAGTCT TATTTTCA AGTGT CAGAC
                GR      SP1      NFAT
TCCAGACATCCAGTCCAGGTAAAGAAGATGGTGTCCATTATTCATTTGACAAACAAAGT
TGGGGTTCAAGGGCCAGCTATTGAAAAAGCTATGGAAAGCTTCATGAGACGTGCAGGTA
                NF1      IL6R
ACTGCCAATA TGTGTGGTTC ACAAGGACTGGTTCATATT CAGAAACG GCCATT TAGAAAAG
                NF1      SP1      NF1
GAAGAAGAATCTCATTGG ATTTATA AAGAGTGTCTTGTTTACTCTTA ATTTTAT ATCT
                TATA BOX      TFIID
TCTCTTCTCCAGGAAATCAACCTATAACTTCTCCTCCCAAGCTCCACTCTACCATGGTCTG
                GR      CACC BOX      SP1
TCACCTTCCCAAATGATTTGTT ATTC CCCTGTTTCAAAGT GAACA AAGAACCAAAGA
                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 aevswpnsv pantsshrtp eglyqvtsvl  
181 rlkpppgrnf scvfwthvr eltlasidlg sgmeprthpt wllhifipfc iiafifiatv  
241 ialrkqlcqk lysskdttkr pvtttkrevn sai
```

**273 aa**

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

**Mouse**

```
1 mllllpilnl slqlhpvaal fvtvtpkevy tvdvgsvsvl ecdfrrect elegiraslg  
61 kvendtslgs eratlleegl plgkalfhip svqvrdsqgy rclvicgaaw dykyltlkvk  
121 asymridtri levpgtgevq ltcgargypl aevswgnsv pantsshirtp eglyqvtsvl  
181 rlkpppsrnf scmfwnahmk eltsaiidpl smepkvprt wplhvfiac tialiflaiv  
241 iiqrkri
```

**247 aa**