

mousePDL1 | Validation File

TARGET mouse PDL1

CLONE NAME GOYA536A

DESCRIPTION Rat monoclonal

ANTIGEN USED RBL1-mPDL1

ISOTYPE IgG2a

SPECIES REACTIVITY mouse

LOCALIZATION membrane

POSITIVE CONTROL RAW264.7 cell line induced with mouse interferon gamma (48h 150ng/ml)

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1% BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

 Not Tested

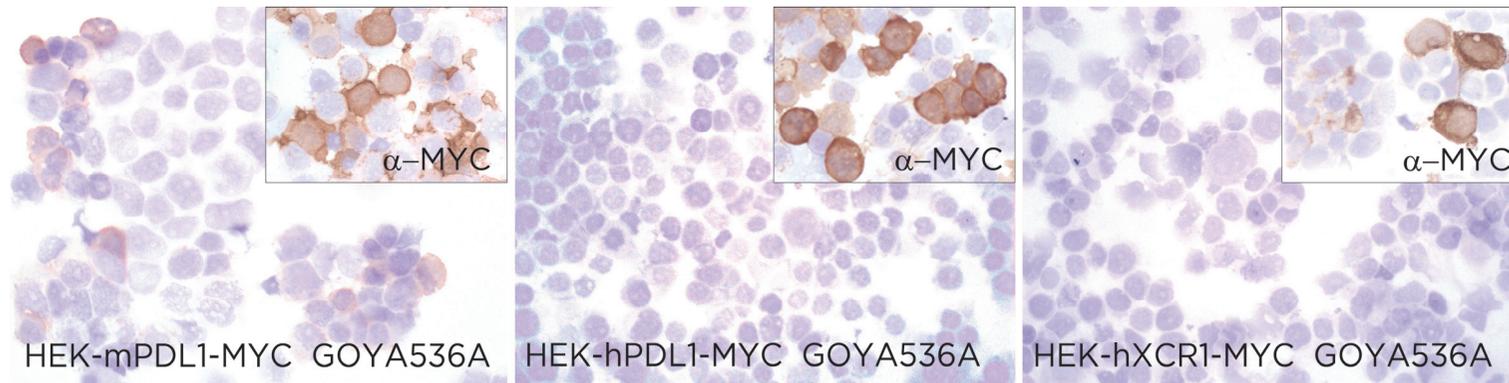
APPLICATIONS

● | ICC | *Immunocytochemistry*

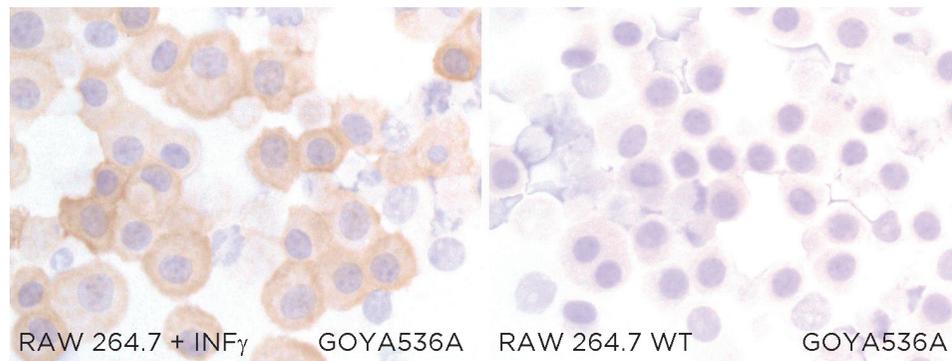
GOYA536A is able to detect mouse PDL1 protein in immunocytochemistry.

DILUTION neat supernatant

To confirm that GOYA536A mAb recognizes mouse PDL1 protein, immunocytochemistry on frozen cytospin preparations of mPDL1 expressed in HEK293 cell line was performed. HEK293T-hXCR1-MYC was used as negative control.



Immunocytochemistry on frozen cytospin preparations of RAW 264.7 cell line induced and no induced with mouse INF γ (48h 150ug/ml).



● | WB | **Western Blotting**

GOYA536A mAb is able to detect mouse PDL1 protein by WB.

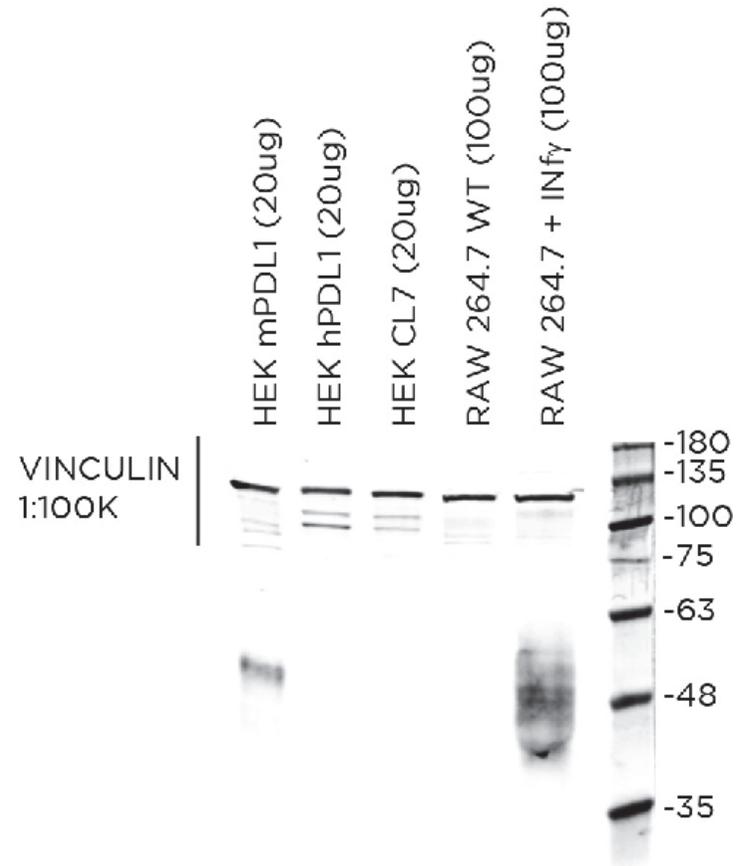
DILUTION neat supernatant

Predicted molecular weight: **40-60kDa**
Observed molecular weight: **50kDa**

LANES

Lane 1 HEK-mPDL1	(20ug) (+)
Lane 2 HEK-hPDL1	(20ug) (-)
Lane 3 HEK-CL7	(20ug) (-)
Lane 4 RAW264.7 cell line	(100ug) (-)
Lane 5 RAW264.7+IFN gamma	(100ug) (+)

Vinculin was used as loading control



● | IHC-P | **Immunohistochemistry (paraffin)**

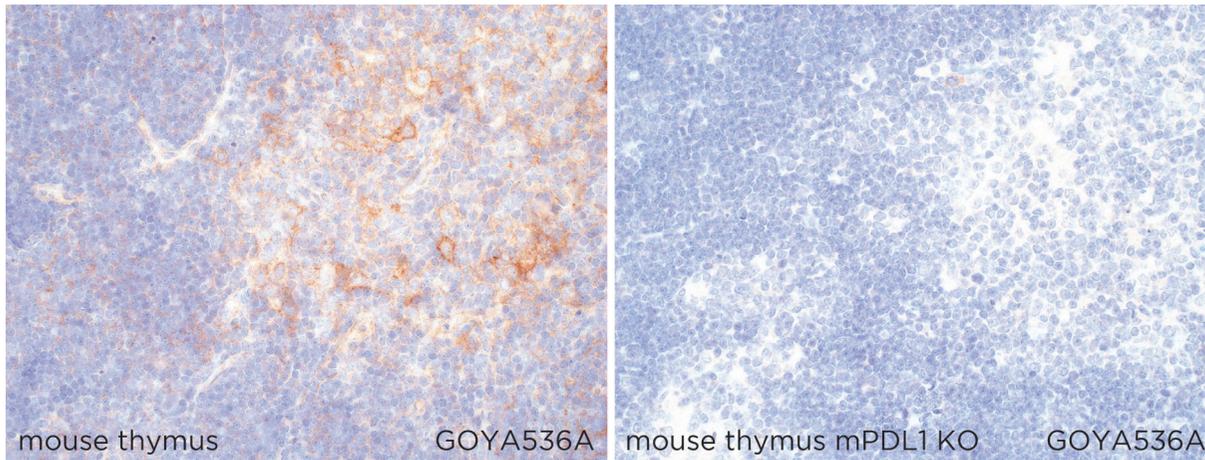
GOYA536A mAb can be used to detect mPDL1 protein in human paraffin tissues

TISSUE SAMPLE mouse WT and mPDL1 KO thymus

DILUTION neat supernatant 60min

ANT. RETRIEVAL pH high

DETECTION SYSTEM anti-rat (vector) + Novolink polymer

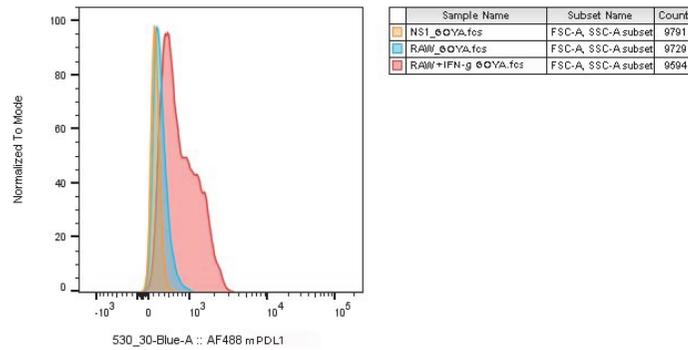


● | FC | **Flow Cytometry**

GOYA 536A mAb can be used to detect mouse PDL1 protein by flow cytometry

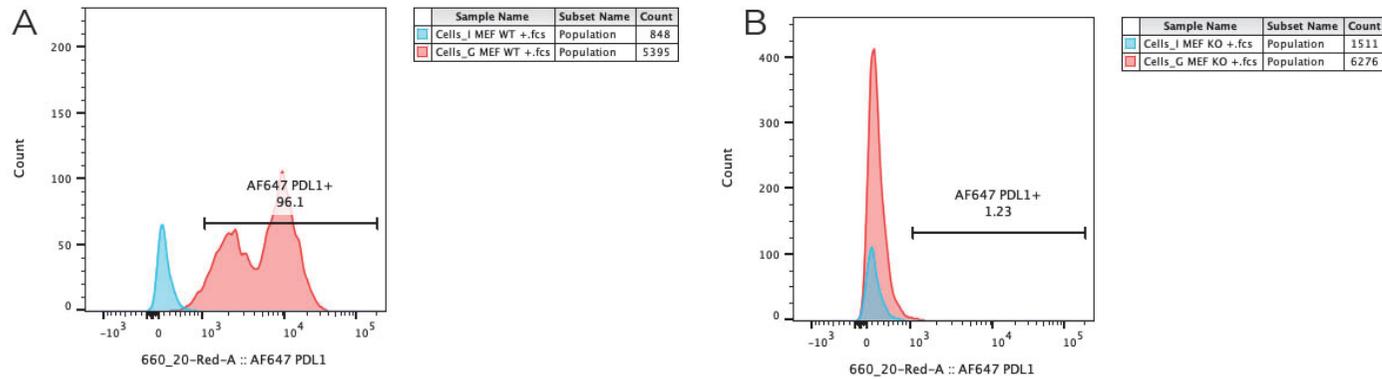
SAMPLE NS1, RAW264.7 y RAW264.7 induced with mouse interferon gamma (48h 150ng/ml)

DILUTION 2×10^6 cells/tube, antibody concentration: 6ul/tube of purified Ab



SAMPLE MEFS WT (A) and MEFS KO mPDL1 (B) both induced with mouse interferon gamma (48h 150ng/ml)

DILUTION $2,5 \times 10^5$ cells/tube, antibody concentration: 6ul/tube of purified Ab



● | IF | ***Immunofluorescence (paraffin)*** not tested

● | IP | ***Immunoprecipitation*** not tested

● | IHC-F | ***Immunohistochemistry (frozen)*** not tested