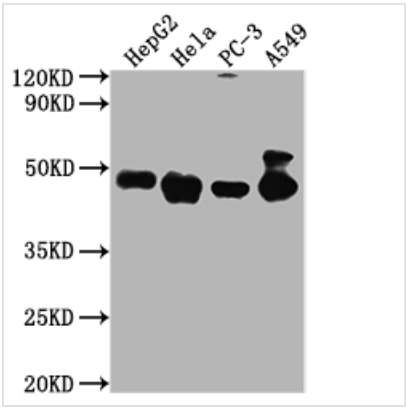
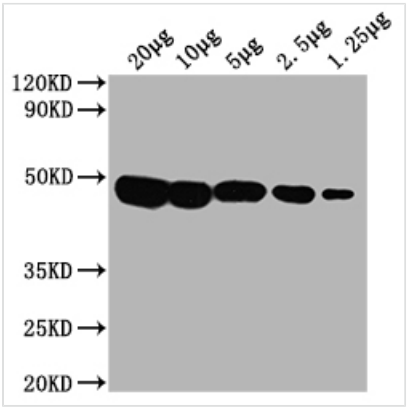
PD-L2 Monoclonal Antibody

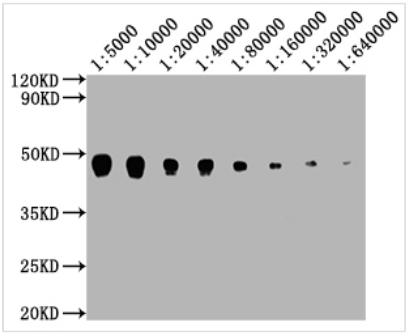
Product Code	CSB-MA017667A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9BQ51
Immunogen	Recombinant Human Programmed cell death 1 ligand 2 protein (21-118AA)
Raised In	Mouse
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, FC, IP; Recommended dilution: WB: 1:5000-1:640000, IHC: 1:50-1:200, IF: 1:50-1:200, FC: 1:50-1:200, IP: 2μl-5μl
Relevance	Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%,Protein A purified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Alias	B7 dendritic cell molecule antibody; B7-DC antibody; B7DC antibody; bA574F11.2 antibody; Btdc antibody; Butyrophilin B7 DC antibody; Butyrophilin B7-DC antibody; Butyrophilin B7DC antibody; CD 273 antibody; CD273 antibody; CD273 antigen antibody; MGC142238 antibody; MGC142240 antibody; PD 1 ligand 2 antibody; PD L2 antibody; PD-1 ligand 2 antibody; PD-L2 antibody; PD1 ligand 2 antibody; PD1L2_HUMAN antibody; PDCD 1 ligand 2 antibody; PDCD1 ligand 2 antibody; PDCD1L2 antibody; Pdcd1lg2 antibody; PDL 2 antibody; PDL2 antibody; Programmed cell death 1 ligand 2 antibody; Programmed death ligand 2 antibody
Product Type	Monoclonal Antibody
Immunogen Species	Human
Gene Names	PD-L2
Clone No.	7F11D11
Image	



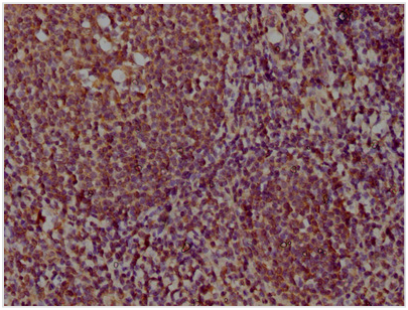
Western Blot
Positive WB detected in: HepG2 whole cell lysate, Hela whole cell lysate, PC-3 whole cell lysate, A549 whole cell lysate
All lanes PD-L2 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 31,21 KDa
Observed band size: 45-50 KDa
Exposure time:5min



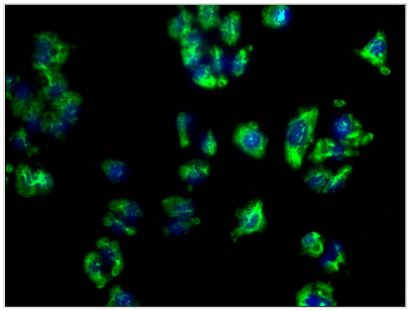
Western Blot
Positive WB detected in: Hela whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg
All lanes: PD-L2 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 31,21 KDa
Observed band size: 45-50 KDa
Exposure time:5min



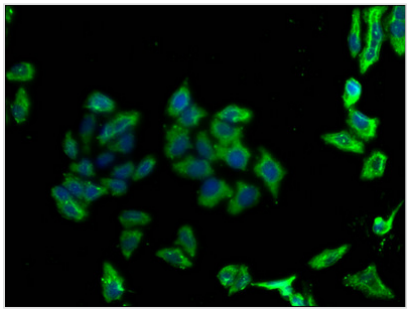
Western Blot
Positive WB detected in: 15μg hela whole cell lysate PD-L2 antibody at 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 31,21 KDa
Observed band size: 45-50 KDa
Exposure time:5min



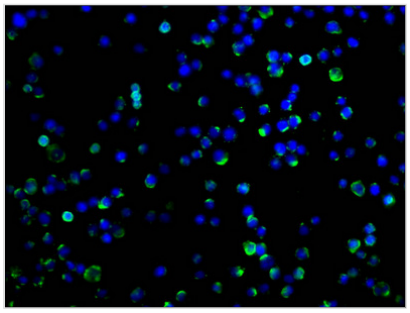
IHC image of CSB-MA017667A0m diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



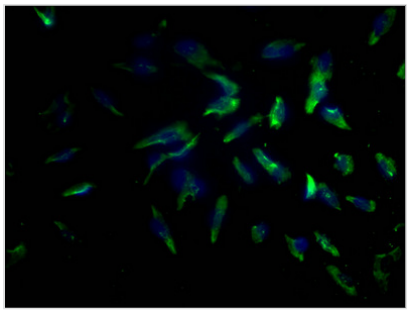
Immunofluorescence staining of HepG2 cells with CSB-MA017667A0m at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



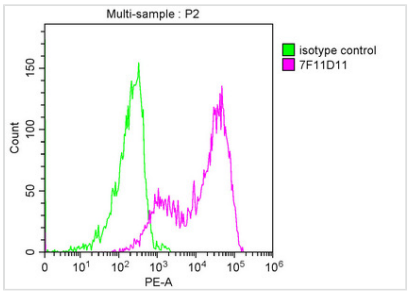
Immunofluorescence staining of Hela cells with CSB-MA017667A0m at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



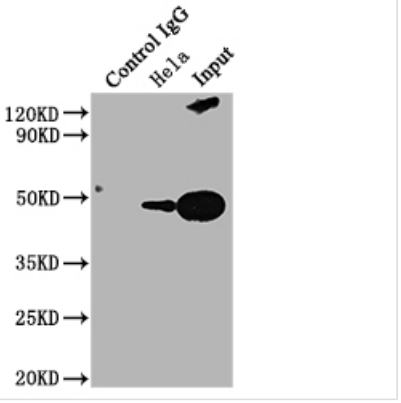
Immunofluorescence staining of Raji cells with CSB-MA017667A0m at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of U251 cells with CSB-MA017667A0m at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Overlay histogram showing 293 cells transfected with PD-L2 stained with CSB-MA017667A0m (red line). The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (2µg/1*106cells) for 1 h at 4°C. The secondary antibody used was R-PE-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (2µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunoprecipitating PD-L2 in Hela whole cell lysate
Lane 1: Mouse control IgG instead of CSB-MA017667A0m in Hela whole cell lysate
Lane 2: CSB-MA017667A0m (2µl) + Hela whole cell lysate (500µg)
Lane 3: Hela whole cell lysate (20µg)
For western blotting, the blot was detected with CSB-MA017667A0m at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000