

## CD274 Monoclonal Antibody

**CAB23922**

### Description

---

This CD274 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

---

**SKU:** CAB23922

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** B7-H, B7H1, PDL1, PD-L1, hPD-L1, PDCD1L1, PDCD1LG1, CD274

**Clone:** ARC61782

**Applications:** WB IHC-P IF/ICC ELISA

**Conjugation:** Unconjugated

**Reactivity:** Mouse

### Antibody Data

---

**Gene ID:** 60533

**Uniprot:** -

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 40-50kDa

**Calculated MW:** 33kDa

## Preparation & Storage

---

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Mouse thymus

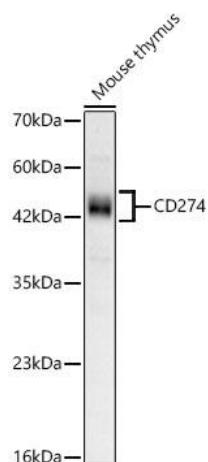
**Recommended Dilutions:**

<b>WB</b>	1:1000 - 1:2000
<b>IF/ICC</b>	1:200 - 1:400
<b>IHC</b>	1:200 - 1:800
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

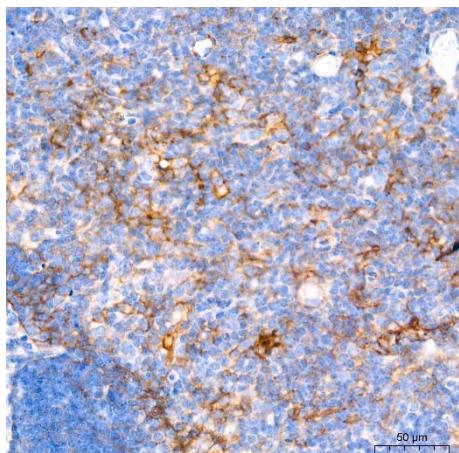
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

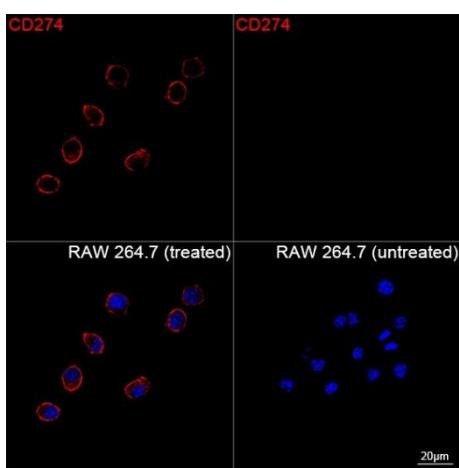
---



Western blot analysis of lysates from Mouse thymus, using Rabbit mAb (CAB23922) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using Rabbit mAb (CAB23922) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of RAW 264.7 cells (treated with IFN- $\gamma$ ) and RAW 264.7 cells (untreated) using Rabbit mAb (CAB23922, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.