

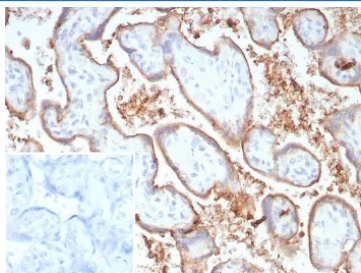
## B7-H1 Antibody / B7 homolog 1 / PD-L1 / CD274 [clone PDL1/8809R] (V5293)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V5293-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5293-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5293SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

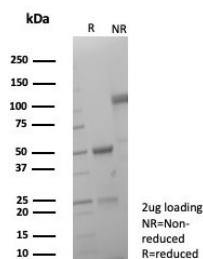
Recombinant **RABBIT MONOCLONAL**

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|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Availability       | 1-3 business days                                       |
| Species Reactivity | Human                                                   |
| Format             | Purified                                                |
| Clonality          | Recombinant Rabbit Monoclonal                           |
| Isotype            | Rabbit IgG, kappa                                       |
| Clone Name         | PDL1/8809R                                              |
| Purity             | Protein A/G affinity                                    |
| UniProt            | Q9NZQ7                                                  |
| Localization       | Cell Surface, Cytoplasm                                 |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations        | This B7-H1 antibody is available for research use only. |



IHC staining of FFPE human placental tissue with B7-H1 antibody (clone PDL1/8809R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free B7-H1 antibody (clone PDL1/8809R) as confirmation of integrity and purity.

## Description

PD-L1 is a checkpoint regulator in immune cells, it is expressed on immune or non-hematopoietic cells. Expression of the protein is seen during pregnancy where it has a role in suppressing the immune system. PD-L1 induces an inhibitory signal in activated T-cells and promotes T-cell apoptosis. It is overexpressed in a number of different cancers where it is believed to play a significant role in the cancer's ability to evade the immune system.

## Application Notes

Optimal dilution of the B7-H1 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 190-290) from the human protein was used as the immunogen for the B7-H1 antibody.

## Storage

Aliquot the B7-H1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.