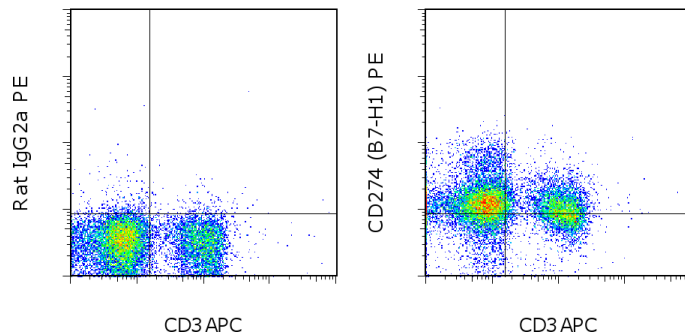


## Anti-Mouse CD274 (B7-H1) PE

**Catalog Number:** 12-5982

**Also known as:** B7H1, PD-L1, PDL-1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e APC (cat. 17-0031) and 0.03 ug of Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.03 ug of Anti-Mouse CD274 (B7-H1) PE (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD274 (B7-H1) PE

**Catalog Number:** 12-5982

**Clone:** MIH5

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2a, lambda

**Formulation:** aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Caution, contains Azide**



### Description

The MIH5 monoclonal antibody reacts with mouse B7-H1, also known as PD-L1. B7-H1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. B7-H1 is expressed on a majority of leukocytes including T, B, NK and DC. B7-H1 is a ligand for PD-1. Interaction of PD-1 with either PD-L1 (B7-H1) or PD-L2 (B7-DC) results in inhibition of T and B cell responses. MIH5 is reported to be a blocking antibody.

### Applications Reported

The MIH5 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The MIH5 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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### Related Products

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

17-0031 Anti-Mouse CD3e APC (145-2C11)