

# Mouse Anti-Human CD274 (PD-1), Biotin Conjugated mAb

Catalog No: #CM030

Package Size: #CM030-1 25ug #CM030-2 100ug

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## Description

Product Name	Mouse Anti-Human CD274 (PD-1), Biotin Conjugated mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10D7
Isotype	Mouse IgG1, $\kappa$
Applications	FC/ELISA
Species Reactivity	Hu
Specificity	This antibody recognizes human PD-L1 in Western blot and FACS.
Immunogen Description	L929/PD-L1 transfected cells
Other Names	Programmed cell death ligand 1 (PD-L1), B7 homolog 1 (B7-H1)
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution in phosphate buffered saline (PBS) and reconstitute with sterile PBS
Storage	Store protected from light at 2-8°C. Do not freeze. The expiration date is indicated on the vial label.

## Application Details

**Preparation:**This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with L929/PD-L1 transfected cells). The monoclonal antibody was purified from tissue culture supernatant or ascites by protein G affinity chromatography.

**Product Notices:**This reagent has been pre-diluted for use at the recommended Volume per Test.

We typically use 1  $10^6$  cells in a 100- $\mu$ l experimental sample (per test).

An isotype control should be used at the same concentration as the antibody of interest.

## Product Description

B7-H1 (also known as PD-L1 or CD274) is a B7 family member and it is a ligand for PD-1 (programmed death-1, a member of the CD28 family).

PD-L1 is constitutively expressed on a wide variety of immunocytes and nonhematopoietic cell types including some malignant tumors, suggesting the potential mechanism of immune evasion. The enhancement of T cell responses via blockade of PD-1/PD-L1 pathway may be a potential therapeutic strategy for tumor treatment.

**Note:** This product is for in vitro research use only