

## Mouse Monoclonal Antibody to CD274

<b>Catalogue Number</b>	sAP-1363
<b>Target Molecule</b>	<b>Name:</b> CD274 <b>Aliases:</b> B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1 <b>MW:</b> 33.3kDa <b>Entrez Gene ID:</b> 29126
<b>Description</b>	This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results
<b>Immunogen</b>	Purified recombinant fragment of human CD274 (AA: 24-153) expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM7D2A10;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Anticancer Res. 2015 Oct;35(10):5369-76. ; 2.Lung Cancer. 2015 Jun;88(3):254-9. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**