

Rabbit anti-human PD-L1 Monoclonal Antibody
Clone 11G7 **Catalog Number: R16003M11G7**

General Information	
Immunogen	recombinant human PD-L1 extracellular domain
IgG type	IgG
Clonality	Monoclonal
Specificity	Human PD-L1
Applications & dilution	ELISA, WB, IHC
Formulation	1x PBS, pH7.4.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Abbreviation: ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; nosorbent assay; FC: flow cytometry	

Background

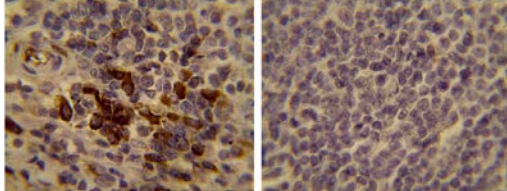
Programmed death-ligand 1 (PD-L1) is a 40kDa type 1 transmembrane protein that suppresses immune system. PD-L1 is expressed in hematopoietic and non-hematopoietic cells including T cells and B cells and various types of tumor cells. PD-L1 binds to its receptor Programmed death 1 (PD1). During infection or inflammation, PD1-PD-L1 interaction is important for preventing autoimmunity. In tumor microenvironments, PD1-PD-L1 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 cancers. In recent years, PD-L1 has become an important biomarker and immunotherapy target for many types of malignancies.

Preparation

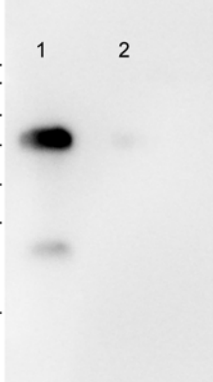
Monoclonal antibody is produced by immunizing rabbit with recombinant human PD-L1 extracellular domain and purified using protein A resin.

Applications

IHC

	<p>Immunohistochemical analysis of embedded human tonsil tissue.</p> <p>Heat induced antigen retrieval.</p> <p>Antibody dilution at 1:1000.</p>
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Western Blot

<p>100KD- 72KD- 55KD- 43KD- 34KD- 26KD- 17KD-</p>	<p>1 2</p> 	<p>Western blot analysis of cell lysates (1E5 cells/lane) Lane 1: full-length PD-L1 transfected 293T Lane 2: non-transfected 293T Primary mAb: Clone 11G7: 1:1000 dilution Secondary: Goat anti-rabbit IgG H+L HRP at 1:3000 dilution</p>
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Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

No known biohazard is associated with this product.

For research use only