Rabbit anti-human PD-L1 Monoclonal Antibody Clone 8C6

Catalog Number: R16003M8C6



General Information	
Immunogen	recombinant human PD-L1 extracellular domain
IgG type	IgG
Clonality	Monoclonal
Specificity	Human PD-L1
Applications & dilution	ELISA, WB, FC, Inhibition; Sandwich ELISA with R16003M7F2
Formulation	PBS with 0.09% sodium azide, 50% glycerol, 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

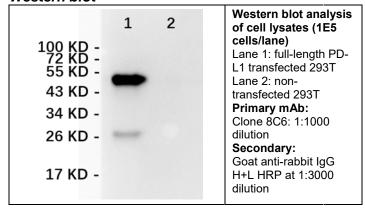
Programmed death-ligand 1 (PD-L1) is a 40kDa type 1 transmembrane protein that immune system. PD-L1 suppresses hematopoietic and expressed in nonhematopoietic cells including T cells and B cells and various types of tumor cells. PD-L1 binds to its receptor Programmed death 1 (PD1). During infection or 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

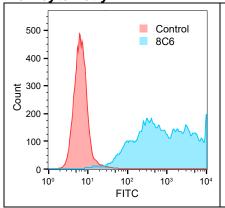
Monoclonal antibody is produced by immunizing rabbit with recombinant human PD-L1 extracellular domain and purified using protein A resin.

Applications

Western blot



Flow cytometry



Flow cytometry: PD-L1 expressing 293F cells were stained with control IgG or clone 8C6.

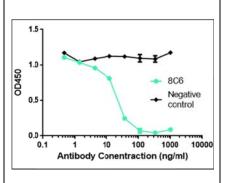
Primary:

Clone 8C6 at 1:100 dilution

Secondary:

1:1000 goat anti-rabbit IgG FITC

Inhibition Assay



Inhibition Assay: 1ug/ml of biotinylated PD-L1 protein was incubated with rabbit anti-PD-L1 mAb (clone 8C6) or control mAb with serial dilution for 1 hour at RT. The mixture was added to ELISA plate coated with 1ug/ml of recombinant expressed PD-1. HRP-Streptavidin was used for biotinylated PD-L1 detection.

For research use only

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Storage

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

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.