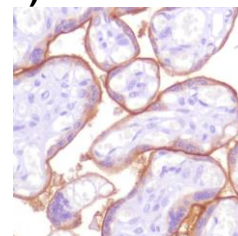




Rabbit Anti-Human PD-L1/CD274 Monoclonal Antibody (Clone SP142)

CATALOG #:	M4420	0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	M4422	0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	M4424	1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	M4421	7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
INTENDED USE:	For Research Use Only. Not for use in diagnostic procedures.	
CLONE:	SP142	
IMMUNOGEN:	Synthetic peptide derived from the C-terminus of human PD-L1 protein.	
IG ISOTYPE:	Rabbit IgG	
EPITOPE:	Not determined	
MOLECULAR WEIGHT:	32 kDa	
SPECIES REACTIVITY:	Human (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)	
DESCRIPTION:	Programmed cell death 1 ligand 1 (PD-L1) also known as cluster of differentiation (CD274) or B7 homolog 1 (B7-H1) is a type 1 transmembrane protein involved in the regulation of cellular and humoral immune responses. The interaction of PDL-1 with its receptor PD-1 provides both stimulatory and inhibitory signals in regulating T cell activation and tolerance during pregnancy, tissue allografts, autoimmune disease and malignant transformation. PDL-1 is mainly expressed in antigen presenting cells, activated T and B cells, placenta, and some tumors such as melanoma, diffuse large B-cell lymphoma, and carcinoma of the lung, colon, and rectum.	
APPLICATIONS:	Immunohistochemistry (IHC)	



Human placenta stained with anti-PD-L1 antibody

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.

Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.

Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.

Antigen Retrieval: Boil tissue section in EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.

Primary Antibody Incubation: Incubate for 10 minutes at room temperature.

Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.

Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

Table 1: Recommended staining protocol with ChromoMap DAB Detection Kit on a Ventana Discovery XT instrument.

Procedure Type	Method
Procedure	Res Hapten IHC XT v1
Deparaffinization	Selected
Cell Conditioning	CC1 56 min
Pre Primary Peroxidase Inhibit	Selected
Primary Antibody No Heat	Selected
Antibody Titration	Selected (Standard Titration Ab inc)
Antibody Incubation	32min (1:25 dilution)
Anti-Rabbit HQ incubation	12min
Anti-HQ HRP incubation	12min
Counterstain (Hematoxylin II)	4min
Post Counterstain(Bluing)	4min

IHC POSITIVE CONTROL:

Placenta

CELLULAR LOCALIZATION:

Membrane

STORAGE & STABILITY:

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.