

## PD-L1 (ZR3) Rabbit monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** KLH-conjugated linear peptide corresponding to human PD-L1  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentration form and 18 months for predilute form.

**Specification:** PD-L1 (ZR3) Rabbit monoclonal primary antibody detects PD-L1 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.  
Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain PD-L1 protein.

**Localization:** Membrane

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** Programmed cell death ligand 1 (PD-L1) also known as cluster of differentiation (CD274) or B7 homolog1 (B7-H1) is a type 1 transmembrane protein involved in the regulation of cellular and humoral immune responses. The interaction of PD-L1 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. The binding of PD-L1 to PD-1 induces apoptosis or exhaustion in activated T cells, and blockade of this interaction has been shown to enhance the antitumor activity of T cells. PD-L1 is frequently over expressed in placenta, and many human tumors such as melanoma, diffuse large B-cell lymphoma, and carcinomas of the lung, bladder, breast, kidney and colon.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Tokito T, et al. Eur J Cancer. 2016; 6; 55:7-14.
2. Kakavand H, et al. Mod Pathol. 2015; 28:1535-44.
3. Xia B, et al. Mol Cancer Ther. 2015; 14:847-56.

**REF** Z2002RL-R/ Z2002RS-R/ Z2002RT-R /Z2002RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)