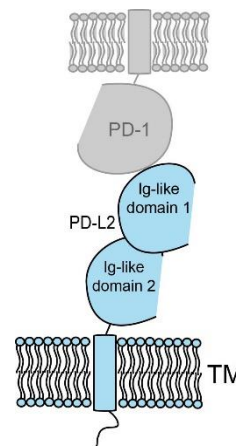


## Programmed Death Ligand 1 (PD-L2)

**Catalogue no.:** Q90 and Q91  
**Clone name:** QL2-1A4 and QL2-1E6  
**Product:** VHH directed against Programmed Death Ligand 1 (PD-L2)

**Target:** Butyrophilin B7-DC, also called programmed death ligand 2 (PD-L2) (UniProtKB [Q9BQ51](#)), is a member of the B7 family of immune proteins that provide signals for both stimulating and inhibiting T cell activation.<sup>1</sup> Other family members include B7-1, B7-2, B7-H2, PD-L1 and B7-H3.<sup>1</sup> B7 proteins are members of the immunoglobulin (Ig) superfamily, their extracellular domains contain 2 Ig-like domains and all members have short cytoplasmic domains.<sup>2</sup> PD-L2 has been identified as one of two ligands for programmed death-1 (PD-1), a member of the CD28 family of immunoreceptors.<sup>3</sup> The PD-L2:PD-1 pathway is involved in the negative regulation of immune responses and in the regulation of peripheral tolerance.<sup>1-3</sup>



**Source:** Recombinant monoclonal VHH (*Llama glama*), purified from *S.cerevisiae* using affinity chromatography. Immunization with cancer cells. Phage-display selection on recombinant PD-L2 using total elution.

**Specificity:** Human PD-L2.

**Formulation:** 0.2 µm filtered solution in PBS.

**Storage:** Shipped on blue ice. Store at 4°C or -20°C (aliquots). Addition of 0.02% sodiumazide is optional.

**Applications:** ELISA, IF.

### Products:

Cat. No.	Target	Tag	Label
Q90/Q91	PD-L2	Tagless	No label
Q90c/Q91c	PD-L2	C-direct	No label
Q90c-lab/Q91c-lab	PD-L2	C-direct	Biotin / NOTA / HiLyte488 / IRDye800CW

### References:

- [Greenwald R.J. et al.](#) (2005) Annu Rev Immunol 23:515-548
- [Lázár-Molnár E. et al.](#) (2008) Proc Natl Acad Sci U S A. 105:10483-10488
- [Nishimura, H. and T. Honjo](#) (2001) Trends in Immunology 22:265