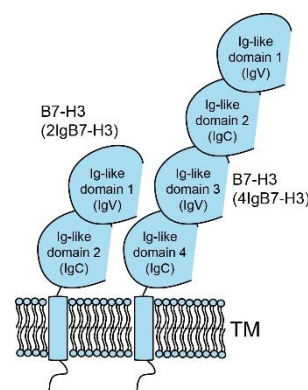


Human B7 homolog 3 (B7-H3)

Catalogue no.: Q92
Clone name: QB7-1F8

Product: VHH directed against Human B7 homolog 3 (B7-H3)

Target: Human B7 homolog 3 (B7-H3) (UniProtKB [Q5ZPR3](#), or CD276), is a member of the B7 family of immune proteins that provide signals for both stimulating and inhibiting T cell activation.^{1,2} Other family members include B7-1, B7-2, B7-H2, PD-L1 and PD-L2.¹ B7 proteins are members of the immunoglobulin (Ig) superfamily, their extracellular domains contain 2 Ig-like domains and all members have short cytoplasmic domains.¹ As one of the exceptions, and as a result of exon duplication B7-H3 is also expressed with 4 extracellular Ig-like domains.⁴ B7-H3 is normally expressed on antigen presenting cells but is also a tumor antigen that is widely expressed among human solid tumors.³



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

Specificity: Human B7-H3.

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
Q92	B7-H3	Tagless	No label
Q92c	B7-H3	C-direct	No label
Q92c-lab	B7-H3	C-direct	Biotin / NOTA / HiLyte488 / IRDye800CW

References:

- [Nishimura, H. and T. Honjo](#) (2001) Trends in Immunology 22:265
- [Vigdorovich V. et al.](#) (2013) Structure 21:707-717
- [Castellanos JR. et al.](#) (2017) Am J Clin Exp Immunol 6:66-75
- [Wang L. et al.](#) (2014) Int J Cancer 134:2764-2771