
Product Datasheet

CTLA4 antibody (orb758792)

Evolution Bioreagents.

Mouse monoclonal antibody to CTLA4

Description	Mouse monoclonal antibody to CTLA4
Species/Host	Mouse
Reactivity	Mouse
Conjugation	Unconjugated
Tested Applications	Blocking, IF
Immunogen	The antibody was raised against CTLA-4.
Target	CTLA-4
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Note	For research use only
Application notes	The antibody has been used to block CTLA-4 and has been shown to enhance T-cell immunity against tumours (Quezada et al, 2006). 9D9 also has an anti-B16/BL6 melanoma effect in non-irradiated tumour-bearing recipients when given as combinatorial therapy with Gvax (Peggs et al, 2009). Selby et al. (PMID: 24777248) show how conversion of the original mouse IgG2b to a mouse IgG2a greatly increases anti-tumor activity of the 9D9 antibody in both MC38 (C57BL/6 mice) and CT26 (BALB/c mice) models. This mechanism both involves blockade of CTLA4 as well as depletion of tumor-infiltrating regulatory T-cells. Fc Silent antibodies were shown to have reduced anti-tumor activity as they did not deplete tumor infiltrating regulatory T-cells, however they lead to expansion of peripheral Tregs.
Isotype	IgG2b
Clonality	Monoclonal
Purity	Purified
Uniprot ID	P09793
Expiration Date	12 months from date of receipt.