

## Product datasheet for **TA386195**

### Ctla4 Mouse Monoclonal Antibody [Clone ID: 9D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9D9
Applications:	BI, IF
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	The antibody was raised against CTLA-4.
Specificity:	The antibody is specific for CTLA-4.

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.

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	cytotoxic T-lymphocyte-associated protein 4
Database Link:	<a href="#">Entrez Gene 12477 Mouse P09793</a>



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**Synonyms:** CD; CD28; CD152; CELIAC3; CTLA-4; GRD4; GSE; ICOS; IDDM12