

## Product datasheet for **TA386278**

### Tigit Mouse Monoclonal Antibody [Clone ID: 1B4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1B4
Applications:	BI, ELISA, FC
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1, lambda
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising TIGIT <sup>-/-</sup> mice with recombinant murine TIGIT tetramers.
Specificity:	This antibody is specific for murine TIGIT.

The binding specificity of this antibody for TIGIT has been confirmed in ELISA analysis and by flow cytometry using P815 cells transfected with mouse TIGIT and activated mouse splenocytes (Dixon et al, 2018). This antibody also specifically stains activated primary wild-type T cells (Dixon et al, 2018). This antibody fully blocks CD155 binding to TIGIT, and acts as a TIGIT blocking antibody in vivo. Administration of this antibody increases experimental autoimmune encephalomyelitis (EAE) severity, and retards the growth of established MC38 colon carcinoma and GL261 glioblastoma (Dixon et al, 2018). This antibody synergises with anti-PD-1 blocking antibodies to achieve complete tumour regression in colon carcinoma models (Dixon et al, 2018). The original mouse IgG1 antibody does not deplete TIGIT-expressing CD4<sup>+</sup> or CD8<sup>+</sup> T cells in vivo, nor affect T cell proliferation in vitro (Dixon et al, 2018).

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:	T cell immunoreceptor with Ig and ITIM domains



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**Database Link:** [Entrez Gene 100043314 Mouse P86176](#)

**Synonyms:** DKFZp667A205; FLJ39873; VSIG9; VSTM3; WUCAM