
Product Datasheet

TIGIT antibody (orb613975)

Evolution Biocomponents.
Description

Mouse monoclonal antibody to TIGIT

Species/Host	Mouse
Reactivity	Mouse
Conjugation	Unconjugated
Tested Applications	Blocking, ELISA, FC
Immunogen	This antibody was raised by immunising TIGIT-/- mice with recombinant murine TIGIT tetramers.
Target	TIGIT
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 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+ or CD8+ T cells in vivo, nor affect T cell proliferation in vitro (Dixon et al, 2018).
Isotype	IgG1
Clonality	Monoclonal
Purity	Purified
Uniprot ID	P86176
Expiration Date	12 months from date of receipt.