

Product Datasheet

TWEAK antibody (orb669764)

Product Description

Mouse monoclonal antibody to TWEAK

Species/Host	Rat
Reactivity	Mouse
Conjugation	Unconjugated
Tested Applications	Blocking, FC
Immunogen	This antibody was raised by immunising SD rats with CD8-mTWEAK, a fusion of the human CD8alpha extracellular region to murine TWEAK.
Target	TWEAK
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 specificity of this antibody has been confirmed in flow cytometric analysis, where it reacts specifically with mTWEAK-transfected L5178Y cells, and not with parental L5178Y cells or cells transfected with related TNF family members (Nakayama et al, 2003). Additionally, this antibody has been used to assess TWEAK cell surface expression in flow cytometric analysis (Nakayama et al, 2003). This antibody has been shown to block CD8-mTWEAK cytotoxicity against L5178Y cells over-expressing murine Fn14, the TWEAK receptor (Nakayama et al, 2003). When administered to collagen-induced arthritis (CIA) mice, this blocking antibody has been shown to have anti-inflammatory and antiangiogenic effects, with associated improvements to both the clinical and histological manifestations of CIA (Kamata et al, 2006). Additionally, administration of this antibody to denervated mice attenuates denervation-induced skeletal muscle loss (Mittal et al, 2010). Finally, administration of this antibody to CD163-/- mice subject to hind limb ischaemia inhibits the increased perfusion resulting from CD163 deficiency (Akahori et al, 2015).
Isotype	IgG

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Expiration Date 12 months from date of receipt.