
Product Datasheet

KIM1 antibody (orb613963)

Evolution Bioreagents.
Description

Rat monoclonal antibody to KIM1

Species/Host	Rat
Reactivity	Mouse
Conjugation	Unconjugated
Tested Applications	FC, IF, IHC
Immunogen	This antibody was raised by immunising female Lewis strain rats (Harlan Sprague-Dawley) subcutaneously with mouse TIM-1-Ig in complete Freund's adjuvant (CFA), followed by multiple 'boosting' with mouse TIM-1-Ig in PBS.
Target	Tim-1
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	This antibody has been used in multiple FACS analyses, such as to determine if specific B cell subsets or if B cell-derived interleukin-10 contributes to tolerance (Lai et al, 2015), to test if blocking several checkpoint receptors boosts anti-tumor immunity in a low-dose, lympho-depleting whole body irradiation model (Jing et al, 2015), and to study the functions of kidney pericytes in vascular stability (Schrimpf et al, 2012). This antibody has also been used in immunohistochemistry to investigate the distinct role of matrix metalloproteinase-3 in TIM-1 shedding by kidney proximal tubular epithelial cells (Lim et al. 2012), and to demonstrate how B β (15-42) attenuates the effect of ischemia-reperfusion injury in renal transplantation (Sørensen et al, 2011). In addition, in vivo applications of this agonistic anti-TIM-1 antibody (clone 3B3) has been shown, for instance, to heighten T cell activation and prevent the development of respiratory tract tolerance in a Th2-driven model of asthma (Umetsu et al, 2005), to increase the frequency of antigen-specific T cells, the production of the proinflammatory cytokines IFN- γ and IL-17, and thus the severity of experimental autoimmune encephalomyelitis (Sheng et al, 2007), as well as

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