

## Anti-CD96 [6A6] VivopureX 100 mg Ab01297-2.3-VXB

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, [Fc Silent™](#), Lambda

**Clone Number:** 6A6

**Alternative Name(s) of Target:** TACTILE; T-cell surface protein tactile; T cell-activated increased late expression protein

**UniProt Accession Number of Target Protein:** Q3U0X8

**Published Application(s):** Blocking, FC

**Published Species Reactivity:** Mouse

**Immunogen:** This antibody was raised by immunising rats with murine CD96.

**Specificity:** This antibody is specific for murine CD96, and recognises an epitope in the first Ig domain.

**Application Notes:** This antibody blocks murine CD96-CD155 interaction, and has been shown to bind to the first Ig domain of CD96 and compete with CD155 binding (Roman Aguilera et al, 2018). This antibody displays significant anti-metastatic activity in four experimental lung metastases models and one spontaneous tumour metastasis model (Roman Aguilera et al, 2018), with a potency greater than the anti-CD96 monoclonal antibodies 3.3 and 8B10. The binding specificity of this antibody has been determined in flow cytometric analysis of HEK-293 cells transfected with a range of CD96 Ig domain chimeric constructs (Roman Aguilera et al, 2018).

**Antibody First Published in:** Seth et al. The murine pan T cell marker CD96 is an adhesion receptor for CD155 and nectin-1. Biochem Biophys Res Commun. 2007 Dec 28;364(4):959-65. [PMID:17971293](#)

**Note on publication:** Describes the original generation of this antibody, and its characterisation.

## Product Form

**Size:** 100 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As

a result VivopureX products are the ideal choice for in vivo research applications.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** All VivopureX products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions. Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**  $\geq 1$ mg (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.