Anti-CD155 [3F1] VivopureX 10 mg Ab01298-2.3-VXL

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™, Kappa
Clone Number: 3F1
Alternative Name(s) of Target: TAGE 3F1; Poliovirus receptor; cellular receptor for poliovirus; Pvr; Tumor-associated antigen 1; Taa1; Tage4; HVED
UniProt Accession Number of Target Protein: Q8K094
Published Application(s): ELISA, FC
Published Species Reactivity: Mouse
Immunogen: This antibody was raised by immunising rats with recombinant murine CD155, consisting of the entire ectodomain expressed as a HIS-tagged protein.
Specificity: This antibody is specific for murine CD155.
Application Notes: The binding specificity of this antibody has been confirmed both in ELISA analysis using recombinant murine CD155 (mCD155), and in flow cytometric analysis using HEK293 cells transiently expressing mCD155 (Maier et al, 2007). This antibody has been used in flow cytometry to assess mCD155 expression on lymphocytes and dendritic cells (Maier et al, 2007; Seth et al, 2011). This antibody blocks the interaction of CD155 with its ligands CD96 and CD226 (Qiu et al, 2010). When administered to WT mice, antibody-induced disruption of the CD155-CD226 interaction has been shown to cause CD226 upregulation on CD4+ T cells and CD8+ T cells (Seth et al, 2011). Administration of this antibody has also been shown to stimulate the loss of mature, memory-like CD8+ T cells from the thymus (Seth et al, 2011; Georgiev et al, 2016).
Antibody First Published in: Maier et al. The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens Eur J Immunol. 2007 Aug;37(8):2214-25. PMID:17621371
Note on publication: Describes the original generation of this antibody, as part of a panel of anti-CD155 antibodies.

Product Form

Size: 10 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.
Concentration: >=1mg (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.