Anti-TACE [D1 (A12)] Standard Size Ab00611-23.0

Developed in partnership with Ximbio (www.ximbio.com).

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

Isotype and Format: Rabbit IgG, Kappa
Clone Number: D1 (A12)
Alternative Name(s) of Target: ADAM17; tumor necrosis factor-α-converting enzyme; CD156b
UniProt Accession Number of Target Protein: P78536
Published Application(s): Block
Published Species Reactivity: Human
Immunogen: Recombinant human ADAM17 (TACE) ectodomain tagged to biotin.
Specificity: This antibody binds human (not mouse) TACE catalytic and non-catalytic domains.
Application Notes: TACE (CD156b) has proved capable of cleaving epidermal growth factor receptor (EGFR) ligands, extracellular Notch1, cell-surface receptors, and adhesion molecules. As proteolytic cleavage is an indispensable activation event for many of these substrates, TACE has emerged as an attractive therapeutic target for the treatment of cancer and rheumatoid arthritis. This “cross-domain” human antibody is a selective TACE antagonist and provides a unique alternative to smallmolecule metalloprotease inhibition. Note from inventor: "D1(A12) is conformation sensitive and sees only a specific form of the native enzyme (reflecting its redox state). It does not work by IHC or WB. It was designed as a potential drug, active in native situations".
Antibody First Published in: Tape et al. Cross-domain inhibition of TACE ectodomain Proc Natl Acad Sci U S A. 108(14):5578-83 PMID:21415364
Note on publication: Describes the generation and characterisation of this antibody by phage-display.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

© 2024 Absolute Antibody Wilton, UK.

20^{o}C.

Concentration: 1 mg/ml.

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

© 2024 Absolute Antibody Wilton, UK.