



PRODUCT DATA SHEET

Product: Anti-TACE (CT), Polyclonal

Cat. No.: PC-207 (100 µg)

Description:

Tumor-necrosis factor- α is a proinflammatory cytokine and contributes to a variety of inflammatory disease responses and programmed cell death. TNF- α is synthesized as a 26K type II membrane-bound precursor that is cleaved by a convertase to generate secreted 17K mature TNF- α . TNF- α converting enzyme (TACE) protein was recently purified and the human and mouse TACE cDNAs were cloned by several groups separately. TACE is a membrane-bound metalloprotease-disintegrin in the family of mammalian ADAM (for a disintegrin and metalloprotease). TACE also processes other cell surface proteins, including TNF receptor, TGF α , the L-selectin adhesion molecule, and alpha-cleavage of amyloid protein precursor (APP). TACE mRNA is expressed in a variety of human and murine tissues. TACE was selected as one of the few targets in cytokine activation by the Eighth International Conference of the Inflammation Research Association.

Specificity:

Detects TACE by Western blot at 0.25 to 1 µg/ml. Detects an approximately 130 kDa band in HeLa and Jurkat whole cell lysate which may represent mature protein, precursor, and glycosylated TACE.

Positive Control: HeLa and Jurkat whole cell lysates.

Species Reactivity:

Human, other species not tested.

Host: Rabbit

Immunogen:

Synthetic peptide corresponding to amino acids 807 to 823 of the human TACE protein. Immunogen sequence differs from the mouse and rat sequences by one amino acid.

Format:

Purified antibody provided in PBS solution containing 0.02% sodium azide.

Storage and Stability:

Store at 4-8°C. Do NOT freeze.

Applications and Suggested Dilutions:

■ Western blot

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.