**Species Reactivity**
Human

**Specificity**
Detects the ectodomain of human TACE/ADAM17 in direct ELISAs. In direct ELISAs, less than 5% cross-reactivity with the ectodomain of recombinant human ADAM8, 9, 15 and recombinant mouse ADAM10 is observed.

**Source**
Monoclonal Mouse IgG1 Clone # 111633

**Purification**
Protein A or G purified from ascites

**Immunogen**
Insect ovarian cell line T. ni-derived recombinant human TACE/ADAM17 Pro18-Asn671
Accession # P78536

**Conjugate**
Phycoerythrin

**Formulation**
Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.

*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

**Flow Cytometry**
Recommended Concentration: 10 µL/10^6 cells

**DATA**

**Flow Cytometry**

Detection of TACE/ADAM17 in HeLa Human Cell Line by Flow Cytometry. HeLa human cervical epithelial carcinoma cell line was stained with Mouse Anti-Human TACE/ADAM17 Ectodomain PE-conjugated Monoclonal Antibody (Catalog # FAB9301P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). View our protocol for Staining Membrane-associated Proteins.

**PREPARATION AND STORAGE**

**Shipping**
The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage**
Protect from light. Do not freeze.

- 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**

TACE is a member of the ADAM family that contains a Disintegrin And Metalloprotease-like domain. Like other membrane-anchored ADAMs, TACE consists of a prodomain with a cysteine switch and furin cleavage sequence, a catalytic domain with the zinc-binding site and Met-turn expected for reprolysins, a disintegrin-like domain, a cysteine-rich domain, an EGF-like domain, a transmembrane domain, and the cytoplasmic domain. In addition to its ability to release the 17 kDa extracellular form of Tumor Necrosis Factor-α (TNF-α) from the 26 kDa membrane-anchored TNF-α, TACE also plays an essential role in shedding ectodomains from a variety of proteins such as L-Selectin, Transforming Growth Factor-α, Amyloid Protein Precursor, and Notch-1 receptor. TACE mRNA is present in virtually every tissue and TACE protein resides both on the cell surface and intracellularly.

**References:**