



SAE1, CT (SUMO-activating Enzyme Subunit 1, Ubiquitin-like 1-activating Enzyme E1A, AOS1, SUA1, UBLE1A) (PE)

Catalog number

S8025-85L-PE

Supplier

United States Biological

The dimeric enzyme AOS1 acts as a an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins and formation of a thioester with a conserved cysteine residue on SAE2.

Applications

Suitable for use in FLISA, Western Blot, and Immunohistochemistry. Other applications not tested.

Recommended Dilution

FLISA: 1:1,000

Western Blot: 1:100-1:500

Immunohistochemistry: 1:50-1:100

Optimal dilutions to be determined by the researcher.

Storage and Stability

Store product at 4°C in the dark. DO NOT FREEZE! Stable at 4°C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

Synthetic peptide selected from the C-terminal region of human AOS1 (KLH).

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).

Purity

Purified by Protein G affinity chromatography.

Specificity

Recognizes human SAE1. Species Crossreactivity: mouse.

Product Type

Pab

Source



human

Isotype

IgG

Grade

Affinity Purified

Applications

FLISA IHC WB

Crossreactivity

Hu Mo

Storage

4°C Do Not Freeze

MW

38.45

Detection Method

PE

Reference

1. Desterro, J.M., et al., J. Biol. Chem. 274(15):10618-10624 (1999). 2. Gong, L., et al., FEBS Lett. 448(1):185-189 (1999). 3. Okuma, T., et al., Biochem. Biophys. Res. Commun. 254(3):693-698 (1999).