

**ESD Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2903b****Specification**

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**ESD Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P10768](#)**ESD Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2098**Other Names**

S-formylglutathione hydrolase, FGH, Esterase D, Methylumbelliferyl-acetate deacetylase, ESD

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2903b](/products/AP2903b) was selected from the C-term region of human ESD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ESD Antibody (C-term) Blocking Peptide - Protein Information****Name** ESD**Function**

Serine hydrolase involved in the detoxification of formaldehyde.

**Cellular Location**

Cytoplasm. Cytoplasmic vesicle.

**ESD Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ESD Antibody (C-term) Blocking Peptide - Images****ESD Antibody (C-term) Blocking Peptide - Background**

ESD belongs to the esterase D family. This protein is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids.

**ESD Antibody (C-term) Blocking Peptide - References**

Saito,A., et.al., J. Hum. Genet. (2009) In press Okunuki,Y., et.al., Mol. Vis. 14, 1094-1104 (2008)