

Datasheet: AHP1183

Description:	RABBIT ANTI HUMAN TOSO (C-TERMINAL)
Specificity:	TOSO (C-TERMINAL)
Other names:	FAIM3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with:Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human Toso were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	A 13 amino acid peptide from near the carboxy terminus of human Toso.

**External Database
Links**

UniProt:

[O60667](#) [Related reagents](#)

Entrez Gene:

[9214](#) FAIM3 [Related reagents](#)

Synonyms

TOSO

Specificity

Rabbit anti Human Toso antibody recognizes the C-terminal (CT) region of human Toso, also known as Fas Apoptotic Inhibitory Molecule 3 (FAIM3). Toso is expressed by lymphoid and haematopoietic cells and is up-regulated by T-cell activation. Toso expressing cells have increased resistance to Fas-, FADD-, and TNFalpha-induced apoptosis. Toso is membrane bound, and is thought to directly bind to FADD, disrupting DISC formation and thus inhibiting caspase-8 activation.

Toso is a potential proto-oncogene, and could be a therapeutic target for use in the treatment of autoimmune diseases. Despite its predicted molecular mass of ~30-44 kDa, Toso often migrates at ~60 kDa in SDS PAGE.

Western Blotting

AHP1183 detects a band of approximately 43kDa in human lung tissue lysate.

Further Reading

1. Hitoshi, Y. *et al.* (1998) Toso, a cell surface, specific regulator of Fas-induced apoptosis in T cells. [Immunity. 8 \(4\): 461-71.](#)
2. Song, Y. & Jacob, C.O. (2005) The mouse cell surface protein TOSO regulates Fas/Fas ligand-induced apoptosis through its binding to Fas-associated death domain. [J Biol Chem. 280 \(10\): 9618-26.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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