

Rabbit anti-Human THEMIS Polyclonal Antibody | anti-THEMIS antibody

Anti-THEMIS Antibody Picoband

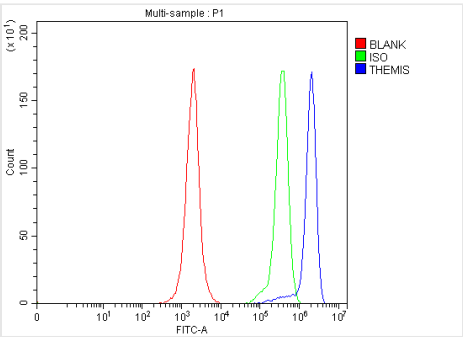
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126503	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

THEMIS; Polyclonal Antibody; Anti-THEMIS Antibody Picoband; anti-THEMIS antibody

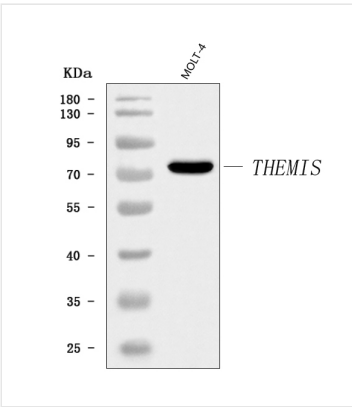
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-THEMIS antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human THEMIS recombinant protein (Position: Q74-H588).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of JK cells using anti-THEMIS antibody (AAA126503).Overlay histogram showing JK cells stained with AAA126503 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-THEMIS Antibody (AAA126503, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of THEMIS using anti-THEMIS antibody (AAA126503).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MOLT-4 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-THEMIS antigen affinity purified polyclonal antibody (#AAA126503) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for THEMIS at approximately 73 kDa. The expected band size for THEMIS is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-THEMIS antibody	This gene encodes a protein that plays a regulatory role in both positive and negative T-cell selection during late thymocyte development. The protein functions through T-cell antigen receptor signaling, and is necessary for proper lineage commitment and maturation of T-cells. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-THEMIS antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	150421530
NCBI GeneID	387357
UniProt Accession #	Q8N1K5; Q5T3C4; Q5T3C5; Q6MZT7; A1L4F0; A8K7N1; B3KT31; B3KW32; B3KY07; F5H1J9
Molecular Weight	77,515 Da
NCBI Official Full Name	Protein THEMIS
NCBI Official Synonym Full Names	thymocyte selection associated
NCBI Official Symbol	THEMIS
NCBI Official Synonym Symbols	GASP; SPOT; TSEPA; C6orf190; C6orf207
NCBI Protein Information	protein THEMIS
UniProt Protein Name	Protein THEMIS
UniProt Gene Name	THEMIS
UniProt Synonym Gene Names	C6orf190; C6orf207
UniProt Entry Name	THMS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/themis-antibody-flow-cytometry-western-blot-elisa/126503>