

## THEMIS recombinant antibody

THEMIS Recombinant Monoclonal Antibody

| CATALOG # | HOST         | REACTIVITY | APPLICATIONS                                                                      |
|-----------|--------------|------------|-----------------------------------------------------------------------------------|
| AAA279082 | HEK293F Cell | Human      | Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

THEMIS; Monoclonal Recombinant Antibody; THEMIS Recombinant Monoclonal Antibody; Protein THEMIS (Thymocyte-expressed molecule involved in selection); C6orf190 C6orf207; THEMIS recombinant antibody

### PRODUCT SPECIFICATIONS

|                                                         |                                                                                       |
|---------------------------------------------------------|---------------------------------------------------------------------------------------|
| Host                                                    | HEK293F Cell                                                                          |
| Reactivity                                              | Human                                                                                 |
| Clonality                                               | Monoclonal                                                                            |
| Isotype                                                 | Rabbit IgG                                                                            |
| Clone Number                                            | 7G7                                                                                   |
| Purity/Purification                                     | Affinity purified                                                                     |
| Form/Format                                             | Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.                    |
| Applicable Applications for THEMIS recombinant antibody | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA |
| Immunogen Species                                       | Human                                                                                 |
| Immunogen                                               | A synthesized peptide derived from Human THEMIS                                       |
| Conjugation                                             | Non-conjugated                                                                        |
| Research Area                                           | Immunology; Stem cells                                                                |
| Preparation and Storage                                 | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.           |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Overlay Peak curve showing Jurkat cells stained with AAA279082 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1\*10<sup>6</sup>cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.



#### IF (Immunofluorescence)

Immunofluorescence staining of HepG2 with AAA279082 at 1:40, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 503-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



**IHC (Immunohistochemistry)**

IHC image of AAA279082 diluted at 1:50 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.30% DAB.

**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                | <b>THEMIS</b>                                                                  |
| 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.