

**CRTAM Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58254****Specification****CRTAM Polyclonal Antibody - Product Information**

Application	IHC-F, IF, ICC, E
Primary Accession	<a href="#">O95727</a>
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44641

**CRTAM Polyclonal Antibody - Additional Information****Gene ID** 56253**Other Names**

Cytotoxic and regulatory T-cell molecule, Class-I MHC-restricted T-cell-associated molecule, CD355, CRTAM {ECO:0000312|EMBL:AAC80267.1}

**Dilution**

IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**CRTAM Polyclonal Antibody - Protein Information****Name** CRTAM {ECO:0000312|EMBL:AAC80267.1}**Function**

Mediates heterophilic cell-cell adhesion which regulates the activation, differentiation and tissue retention of various T-cell subsets (By similarity). Interaction with CADM1 promotes natural killer (NK) cell cytotoxicity and IFNG/interferon-gamma secretion by CD8+ T- cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM1 in vivo (PubMed:[15811952](http://www.uniprot.org/citations/15811952)). Regulates CD8+ T-cell proliferation in response to T-cell receptor (TCR) activation (By similarity). Appears to be dispensable for CD8+ T-cell-mediated cytotoxicity (By similarity). Interaction with SCRIB promotes the late phase of cellular polarization of a subset of CD4+ T-cells, which in turn regulates TCR-mediated proliferation and IFNG, IL17 and IL22 production (By similarity). By interacting with CADM1 on CD8+ dendritic cells, regulates the retention of activated CD8+ T-cells within the

draining lymph node (By similarity). Required for the intestinal retention of intraepithelial CD4+ CD8+ T-cells and, to a lesser extent, intraepithelial and lamina propria CD8+ T-cells and CD4+ T-cells (By similarity). Interaction with CADM1 promotes the adhesion to gut-associated CD103+ dendritic cells, which may facilitate the expression of gut-homing and adhesion molecules on T-cells and the conversion of CD4+ T-cells into CD4+ CD8+ T-cells (By similarity).

#### Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q149L7}; Single-pass type I membrane protein. Note=In a subset of CD4+ T-cells, colocalizes with SCRIB at the immunological synapse during the late phase of T-cell activation {ECO:0000250|UniProtKB:Q149L7}

#### Tissue Location

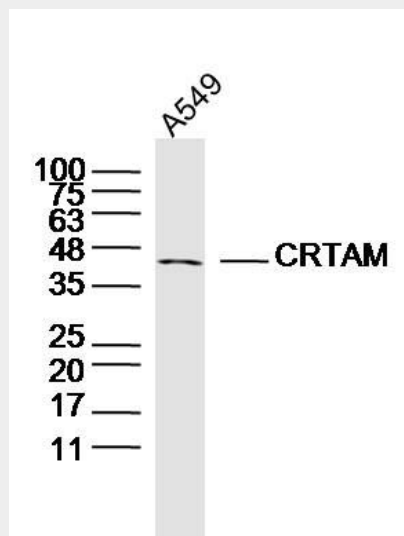
In the immune system, expression is restricted to activated class-I MHC-restricted cells, including NKT and CD8 T-cells (PubMed:10811014, PubMed:15811952, PubMed:16300832). Strongly expressed in spleen, thymus, small intestine, peripheral blood leukocyte, and in Purkinje neurons in cerebellum. Expressed at much lower levels in testis, ovary, colon, lung and lymphoid tissues (PubMed:16300832)

### CRTAM Polyclonal Antibody - Protocols

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

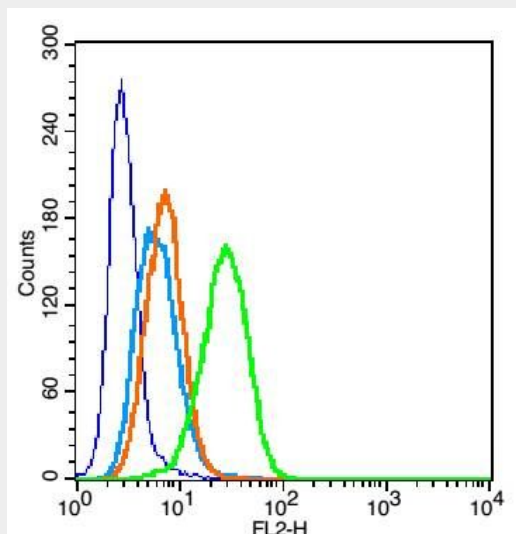
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CRTAM Polyclonal Antibody - Images



Sample: A549 Cell (Human) Lysate at 40 ug  
Primary: Anti-CRTAM (bs-4957R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 42 kD

Observed band size: 42 kD



Blank control(blue): U937 (fixed with 2% paraformaldehyde (10 min)).

Primary Antibody: Rabbit Anti-CRTAM antibody(bs-4957R), Dilution: 1  $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions );

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.