

For Research Use Only

# CRTAM/CD355 Polyclonal antibody

Catalog Number: 16627-1-AP



## Basic Information

Catalog Number:

16627-1-AP

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9956

GenBank Accession Number:

BC070266

GeneID (NCBI):

56253

UNIPROT ID:

O95727

Full Name:

cytotoxic and regulatory T cell molecule

Calculated MW:

393 aa, 45 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse thymus tissue, rat brain tissue

## Background Information

Cytotoxic and regulatory T cell molecule (CRTAM, also known as CD355) is an immunoglobulin-superfamily transmembrane protein with V and C1-like Ig domains, which is involved in epithelial cell adhesion (PMID: 18329370; 20556794). CRTAM is critical to instruct the differentiation of CD4<sup>+</sup> cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes (PMID: 26694968). It also regulates CD8<sup>+</sup> T cell retention within the lymph node and eventually effector function (PMID: 19752223). The predicted molecular weight of CRTAM is 43 kDa. Due to glycosylation, the observed molecular weight of CRTAM can be apparent at ~80 kDa (PMID: 16300832).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

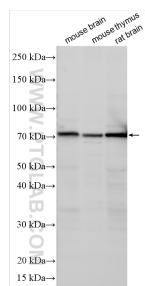
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16627-1-AP (CRTAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.