

For Research Use Only

CRTAM/CD355 Polyclonal antibody

Catalog Number: 16627-1-AP



Basic Information

Catalog Number: 16627-1-AP	GenBank Accession Number: BC070266	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 56253	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O95727	
Isotype: IgG	Full Name: cytotoxic and regulatory T cell molecule	
Immunogen Catalog Number: AG9956	Calculated MW: 393 aa, 45 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: mouse, rat	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⁺ cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes (PMID: 26694968). It also regulates CD8⁺ 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

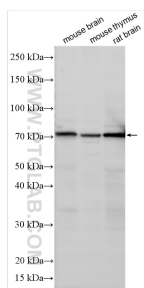
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.