

T 细胞调控相关蛋白抗体

产品货号： mlR4957

英文名称： CRTAM

中文名称： T 细胞调控相关蛋白抗体

别名： CD355; Class I MHC restricted T cell associated molecule; Class-I MHC-restricted T-cell-associated molecule; CRTAM; CRTAM_HUMAN; Cytotoxic and regulatory T cell molecule; Cytotoxic and regulatory T-cell molecule.

研究领域： 细胞生物 细胞类型标志物 自然杀伤细胞 淋巴细胞 t-淋巴细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=1μg/Test
ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 42kDa

细胞定位 : 细胞膜

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human CRTAM:31-130/393 <Extracellular>

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.

PubMed : PubMed

产品介绍： CRTAM, (class-I MHC-restricted T-cell associated molecule), is an immunoglobulin-superfamily transmembrane protein and a new member of the nectin-like (Necls) family. In the immune system, CRTAM expression has been shown to be restricted to activated class-I MHC-restricted T cells, including NKT and CD8 T cells. CRTAM interacts with CADM1 and promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro, as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo. Nectin-like (Necl) molecule 2, has been identified as a ligand of CRTAM. Necl2/CRTAM molecular pair could regulate a large panel of cell/cell interactions both within and outside of the immune system.

Function:

Interaction with CADM1 promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo.

Subunit:

Interacts with CADM1.

Subcellular Location:

Membrane; Single-pass type I membrane protein (Potential).

Tissue Specificity:

In the immune system, expression is restricted to activated class-I MHC-restricted cells, including NKT and CD8 cells. 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.

Similarity:

Belongs to the nectin family.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

O95727

Gene ID:

56253

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CRTAM 蛋白与调节细胞极性有关。细胞极性（cell polarity）的调控对于控制细胞的形态发生非常关键，并且这一过程在很多生物学功能中发挥着重要的作用，包括细胞分裂、分化、迁移等基础过程以及器官发生中的复杂行为等。细胞蛋白的空间结构排列是细胞极性形成的基础。抗原呈递细胞（antigen-presenting cell, APC）诱导 T 细胞的激活，而这会导致免疫突触（immunological synapse, IS）的形成、T 细胞受体（TCR）接触信号衔接平台的组装、细胞支架的重组以及第二信使的产生等。

产品图片

