abcam

Product datasheet

Anti-Perforin antibody [CB5.4] (FITC) ab16075

4 References

概述

产品名称	Anti-Perforin抗体[CB5.4] (FITC)
描述	**大鼠单克隆抗体**[CB5.4] to Perforin (FITC)
宿主	Rat
偶联物	FITC. Ex: 493nm, Em: 528nm
经测试应用	**适用于:** ICC, IHC-P, IHC-Fr, IP
种属反应性	**与反应:** Mouse
免疫原	Recombinant fragment, corresponding to amino acids 98 - 534 of Mouse Perforin.
表位	Recognizes mouse perforin, region amino acids 402-534.
阳性对照	Mouse T cell clone B6.1.
常规说明	1 test means: 1µl of a 1mg/ml stock solution were used to stain 200,000 cells in a sample volume of 50µl.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	>95% by SDS-PAGE
克隆	单克隆
克隆编号	CB5.4
同种型	IgG2a

应用

Our Abpromise guarantee covers the use of **ab16075** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC		Use at an assay dependent dilution.
IHC-P		Use at an assay dependent dilution.
IHC-Fr		Use at an assay dependent dilution.
IP		Use at an assay dependent dilution.

靶标

功能	Plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. Plays an important role in killing other cells that are recognized as non-self by the immune system, e.g. in transplant rejection or some forms of autoimmune disease. Can insert into the membrane of target cells in its calcium-bound form, oligomerize and form large pores. Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes.
疾病相关	Defects in PRF1 are the cause of hemophagocytic lymphohistiocytosis familial type 2 (FHL2) [MIM:603553]; also known as HPLH2. Familial hemophagocytic lymphohistiocytosis (FHL) is a genetically heterogeneous, rare autosomal recessive disorder. It is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. The clinical features of the disease include fever, hepatosplenomegaly, cytopenia, hypertriglyceridemia, hypofibrinogenemia, and neurological abnormalities ranging from irritability and hypotonia to seizures, cranial nerve deficits, and ataxia. Hemophagocytosis is a prominent feature of the disease, and a non-malignant infiltration of macrophages and activated T lymphocytes in lymph nodes, spleen, and other organs is also found.
序列相似性	Belongs to the complement C6/C7/C8/C9 family. Contains 1 C2 domain. Contains 1 EGF-like domain. Contains 1 MACPF domain.
结构域	The C2 domain mediates calcium-dependent binding to lipid membranes. A subsequent conformation change leads to membrane insertion of beta-hairpin structures and pore formation. The pore is formed by transmembrane beta-strands.
翻译后修饰	N-glycosylated.
细胞定位	Cytoplasmic granule lumen. Secreted. Cell membrane. Endosome lumen. Stored in cytoplasmic granules of cytolytic T-lymphocytes and secreted into the cleft between T-lymphocyte and target cell. Inserts into the cell membrane of target cells and forms pores. Membrane insertion and pore formation requires a major conformation change. May be taken up via endocytosis involving clathrin-coated vesicles and accumulate in a first time in large early endosomes.

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