

For Research Use Only

CoraLite® Plus 488-conjugated Perforin Polyclonal antibody



Catalog Number: **CL488-14580**

Basic Information

Catalog Number: CL488-14580	GenBank Accession Number: BC063043	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5551	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	UNIPROT ID: P14222	
Isotype: IgG	Full Name: perforin 1 (pore forming protein)	
Immunogen Catalog Number: AG6060	Calculated MW: 61 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications:
Species Specificity:
human, mouse

Background Information

Perforin 1 (PRF1) is one of the major cytolytic proteins of cytolytic granules. It is known to be a crucial effector molecule in cytolytic T lymphocyte and natural killer cell-mediated cytotoxicity. This protein has structural and functional similarities to complement component C9. Like C9, this protein creates transmembrane tubules and is capable of lysing nonspecifically a variety of target cells. Defects in PRF1 are the cause of familial hemophagocytic lymphohistiocytosis type 2 (FHL2), which is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. (PMID: 2417226; 7774276; 2783486; 10583959)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, 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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