

Product datasheet for **TA355333**

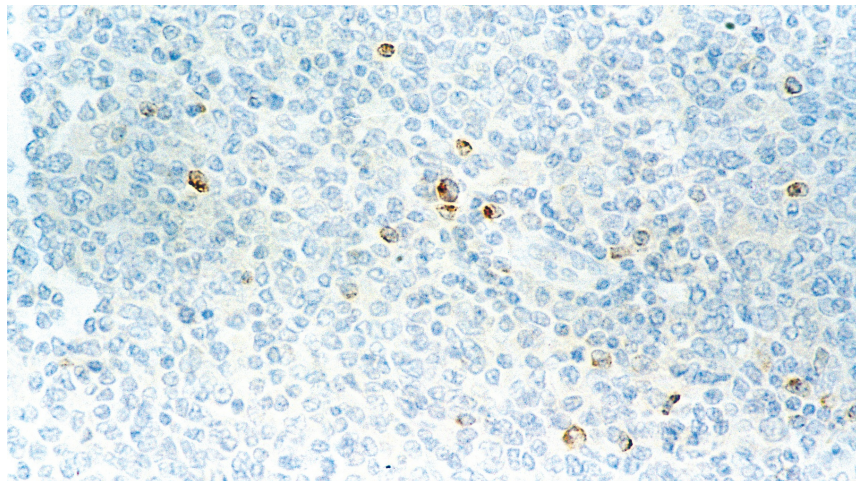
Perforin (PRF1) Mouse Monoclonal Antibody [Clone ID: 5B10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5B10
Applications:	IHC
Recommended Dilution:	1:20
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant prokaryotic protein corresponding to an external region of the C-terminus of the perforin molecule
Specificity:	Human perforin. Shows cross-reactivity with smooth muscle and differentiated epithelium
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	perforin 1
Database Link:	Entrez Gene 5551 Human P14222
Background:	Perforin is a pore-forming protein found in cytoplasmic granules of cytotoxic T-lymphocytes (CTLs). CTLs bind to cells which express foreign antigens and induce them to lyse. Perforin forms circular lesions on the target cell membrane similar to those induced by complement. Perforin and C9 share a high degree of homology particularly at the membrane spanning region. Perforin is reported to be constitutively expressed in human CD3 negative, CD56 positive NK cells, CD3 positive large granular lymphocytes and gamma/delta T cells. This expression is significantly induced in CD8 positive T cells but to a lesser extent in gamma/delta T cells and NK cells. The induction of perforin mRNA is partially blocked by the immunosuppressive drug cyclosporin A.
Synonyms:	cytolysin; FLH2; HPLH2; MGC65093; OTTHUMP00000019759; P1; PFN1; PFP



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Product images:

Human follicular lymphoma:
immunohistochemical staining for Perforin.
Perforin: clone 5B10