

**DATASHEET**

**Perforin Mouse Monoclonal Antibody (ARM552)**

CAT. NO. ARM6842

**KEY FEATURES**

Target	Perforin	Clone ID	ARM552
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

**BACKGROUND**

Perforin, a pore-forming protein found in the granules of cytotoxic T-lymphocytes and natural killer cells, functions to enable granzymes to enter the target cells and activate apoptosis. Perforin expression is upregulated in activated CD8+ T-cells, and these cells have been identified to have a major influence in Th1-associated inflammatory skin diseases. It has been suggested that perforin plays a role in alloimmunity, being involved in both the cytolytic process of rejection as well as downregulation of the T-cell mediated responses associated with the alloimmune response. Perforin-mediated cytotoxicity has also been linked to a number of autoimmune diseases.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Antibody Type	Primary antibodies
Isotype	IgG2c
Positive Control	Spleen
Localization	Cytoplasmic
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	PRF1
Entrez Gene ID	5551
Uniprot	P14222
Alternative Names	Perforin-1, Pore-forming protein

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

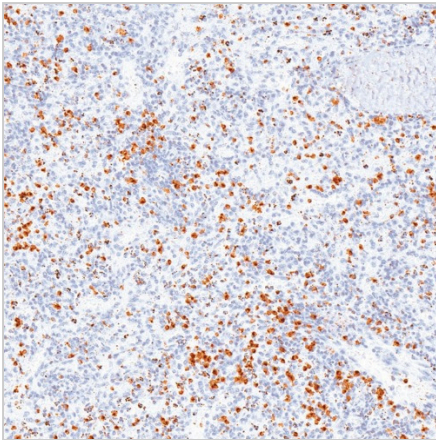
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**DATA**

Immunohistochemical staining of human spleen tissue sections using Perforin Mouse Monoclonal Antibody (ARM552).

**RESEARCH USE ONLY**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com/perforin-mouse-monoclonal-antibody-arm552-arm6842](http://www.arexbio.com/perforin-mouse-monoclonal-antibody-arm552-arm6842)