

Datasheet for ABIN7211557  
**anti-Perforin 1 antibody (AA 98-534)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	Perforin 1 (PRF1)
Binding Specificity:	AA 98-534
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Perforin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Immunogen:	Recombinant mouse perforin (aa 98-534).
Clone:	CB5-4
Isotype:	IgG2a
Specificity:	Recognizes an epitope in the region aa 402-534.
Characteristics:	Perforin (mouse) monoclonal antibody (CB5.4)
Purification:	Purified from ascites.

## Target Details

Target:	Perforin 1 (PRF1)
Alternative Name:	Perforin ( <a href="#">PRF1 Products</a> )
UniProt:	<a href="#">P10820</a>
Pathways:	<a href="#">Apoptosis, Caspase Cascade in Apoptosis</a>

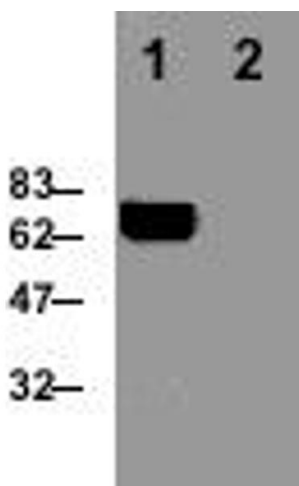
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

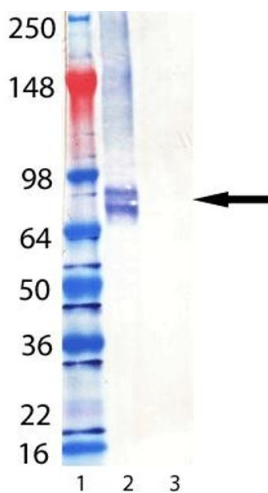
Format:	Liquid
Buffer:	Liquid. In PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	+4°C Stable for at least 6 months after receipt when stored at +4°C.
Expiry Date:	6 months

## Images



### Western Blotting

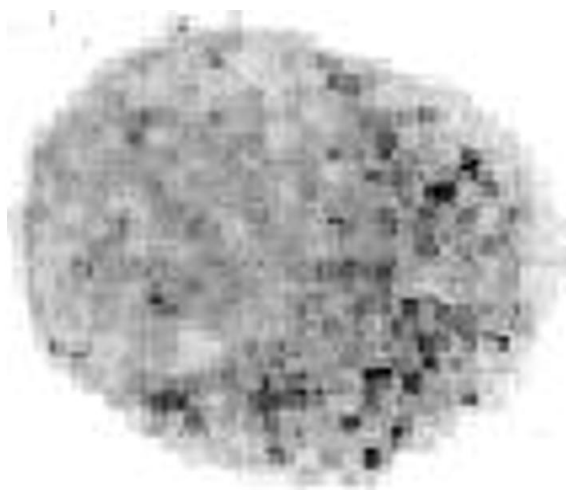
**Image 1.** Detection of perforin in the mouse T cell clone B6.1. (lane 1). Absence of perforin in the mouse fibroblast cell line NIH.3T3 (lane 2). The protein migrates as a 66 kDa species. Method: Cell extracts from the T cell clone B6.1 (2x10<sup>6</sup>) were resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and probed with the CB5.4 antibody at 1 µg/mL. Proteins were visualized using a peroxidase-conjugated antibody to rat IgG and a



chemiluminescence detection system.

#### Western Blotting

**Image 2.** Western Blot analysis of Perforin (mouse) mAb (CB5.4) : Lane 1: MW Marker, Lane 2: CTLL-2 cell lysate, Lane 3: 3T3 cell lysate. Western Blot analysis of Perforin 1 expression in CTLL-2 cell lysate and absence of perforin in the mouse fibroblast cell line 3T3.



#### Western Blotting

**Image 3.** Detection of perforin in an individual mouse T cell. Perforin is located in cytoplasmic granules. Method: A mouse T cell clone was plated onto polylysine treated glass slides, fixed and permeabilized in methanol at -20oC for 5 min, then in acetone at -20oC for 30 sec. After 3 washings in PBS, 0.1% BSA, slides were incubated with 5 µg/ml of CB5.4 antibody, washed in PBS, incubated in anti-rat IgG-HRP, washed in PBS, and developed in appropriate substrate solution (DAB or AEC).