



[Go to Product page](#)

Datasheet for ABIN967562

anti-P-Glycoprotein antibody

1 Image

3 Publications

Overview

Quantity:	0.1 mg
Target:	P-Glycoprotein
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This P-Glycoprotein antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Brand:	BD Pharmingen™
Clone:	17F9
Isotype:	IgG2b
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	P-Glycoprotein
Abstract:	P-Glycoprotein Products
Background:	<p>Reacts with a 170-180 kDa transmembrane glycoprotein (P-glycoprotein), a product of the multidrug resistance-1 (MDR1) gene. This glycoprotein is expressed on MDR positive cells and has been reported to be expressed on many normal tissues, such as adrenal glands and endothelium, in the brain and skin. P-glycoprotein is known to impart drug resistance to cells by pumping many anti-cancer drugs out of the cytoplasm. 17F9 antibody binds to the surface of the viable, unfixed MDR+ cell line, PMG-Y (please inquire), and is able to partially block the binding of UIC2 antibody (another MDR-specific monoclonal antibody). Immunoprecipitation application is reported, but not routinely tested in house.</p> <p>Synonyms: MDR</p>

Application Details

Application Notes:	Positive control cells are available through special order
Restrictions:	For Research Use only

Handling

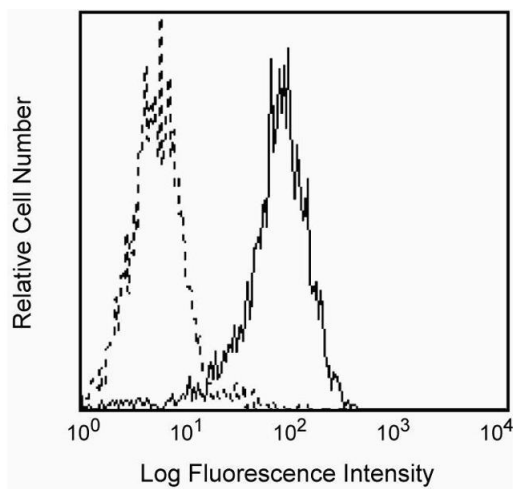
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤ 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:	Shi, Wrin, Reeder, Liu, Ring: "High-affinity monoclonal antibodies against P-glycoprotein." in: Clinical immunology and immunopathology , Vol. 76, Issue 1 Pt 1, pp. 44-51, (1995) (PubMed).
	Bénard, Bourhis, Riou: "Clinical significance of multiple drug resistance in human cancers." in:

Anticancer research, Vol. 10, Issue 5A, pp. 1297-302, (1990) ([PubMed](#)).

Goldstein, Galski, Fojo, Willingham, Lai, Gazdar, Pirker, Green, Crist, Brodeur: "Expression of a multidrug resistance gene in human cancers." in: **Journal of the National Cancer Institute**, Vol. 81, Issue 2, pp. 116-24, (1989) ([PubMed](#)).



Flow Cytometry

Image 1. Profile of P-glycoprotein (MDR) expressed on PMG-Y cell line analyzed on a FACScan (BDIS, San Jose, CA)