

Product Datasheet



Mouse Anti- Human Ki67



Overview

Product number	PDZMM131
Host species	Mouse
Target species	Human
Suitable for:	IHC-P, WB, ELISA, Immunomicroscopy, Dot blot, ICC, IHC-Fr
Immunogen	A KLH-conjugated synthetic peptide derived from human Ki67 protein was used for immunization.

Conjugation Unconjugated

Properties

Form Liquid

Storage instructions Shipped at 4 °C. Store at -20 °C. Avoid freeze/thaw cycle. Please see notes section.

Storage buffer Phosphate buffered saline pH 7.4, contains stabilizer and ≤0.09% sodium azide.

Purity immunogen affinity or SpG purified

Purification notes This product was prepared by immunoaffinity chromatography using immunogen peptide coupled to Sepharose 4B.

Conjugation notes -

Clonality Monoclonal

Isotype IgG

General notes For extended storage aliquot contents and freeze at -20 °C or below. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.
Our customer's feedback says the antibody worked great. If in case the antibody fails to give results then please contact our scientific support team for assistance.

Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end-user.

Product Usage Information:

Application Dilutions

Western Blotting	3-5 ug/ml
Immunohistochemistry (Paraffin)	5-10 ug/ml
Immunohistochemistry (Frozen)	5-10 ug/ml
Immunofluorescence	5-10 ug/ml
Flow Cytometry	5-10 ug/ml

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Background:

Antigen Ki-67 also known as Ki-67 or MKI67 (Marker Of Proliferation Ki-67) is a protein that in humans is encoded by the MKI67 gene (antigen identified by monoclonal antibody Ki-67).

The Ki-67 protein (also known as MKI67) is a cellular marker for proliferation, and can be used in immunohistochemistry. It is strictly associated with cell proliferation. During interphase, the Ki-67 antigen can be exclusively detected within the cell nucleus, whereas in mitosis most of the protein is relocated to the surface of the chromosomes. Ki-67 protein is present during all active phases of the cell cycle (G1, S, G2, and mitosis), but is absent in resting (quiescent) cells (G0). Cellular content of Ki-67 protein markedly increases during cell progression through S phase of the cell cycle.[13] In breast cancer Ki67 identifies a high proliferative subset of patients with ER-positive breast cancer who derive greater benefit from adjuvant chemotherapy. Ki-67 is an excellent marker to determine the growth fraction of a given cell population.

Terms and conditions

Guarantee only valid for products bought direct from PADZA or one of our authorized distributors

References:

Note: This product has originally been developed at Avicenna Research Institute, Tehran, IRAN and assigned to PADZA Company according to contract 98/15/191dated 98/01/10.