

Datasheet for ABIN6941285

anti-MVP antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MVP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MVP antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	proteins precipitated from human breast cancer MCF-7 cells
Clone:	1014
Isotype:	IgG1 kappa
Specificity:	<p>Recognizes a protein of 104 kDa-110 kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic cells. They have a complex morphology, including several small molecules of RNA, but a single protein species. The MVP accounts for 70 % of their mass. Their shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone-dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to estrogen, progesterone and glucocorticoid receptors are able to co-immunoprecipitate the MVP. MVP is overexpressed in many neoplastic tissues and cell lines. Expression of MVP predicts a poor response to chemotherapy.</p>

Product Details

Purification: Purified by Protein A/G

Target Details

Target: MVP

Alternative Name: MVP ([MVP Products](#))

Molecular Weight: 104-110kDa

Gene ID: 9961

UniProt: [Q14764](#)

Application Details

Application Notes: Positive Control: MCF-7/HeLa, breast tumors.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

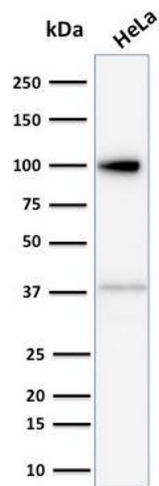
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

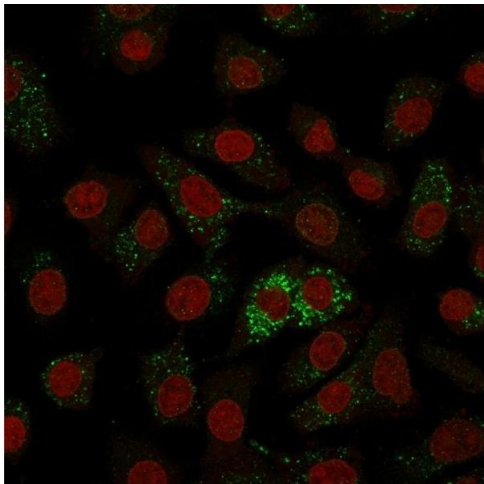
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



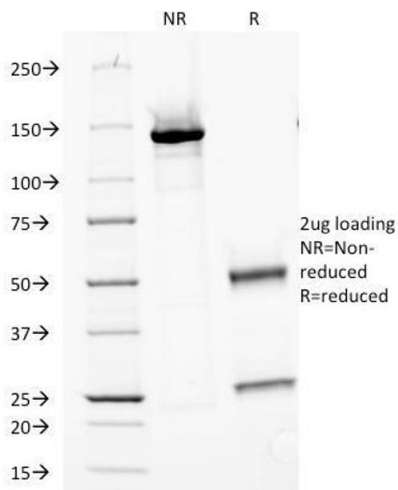
Western Blotting

Image 1. Western Blot Analysis of human HeLa cell lysate using Major Vault Protein (MVP) Mouse Monoclonal Antibody (Clone 1014).



Immunofluorescence

Image 2. Immunofluorescence Analysis of A549 cells labeling MVP with MVP Monoclonal Antibody (Clone 1014) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified MVP Monoclonal Antibody (Clone 1014). Confirmation of Purity and Integrity of Antibody.