

## Anti-Major Vault Protein Antibody [1014] (A250814)

### Specifications:

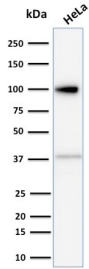
Name:	Anti-Major Vault Protein Antibody [1014]
Description:	Mouse monoclonal [1014] antibody to Major Vault Protein.
Specificity:	This antibody recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic 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.
Applications:	Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Proteins precipitated from human breast cancer MCF-7 cells.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	1014
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Major Vault Protein Antibody [1014] - BSA and Azide free (A253994).

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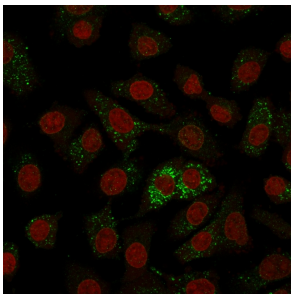
## Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

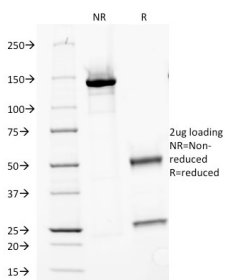
## Images:



Western blot analysis of human HeLa cell lysate using Anti-Major Vault Protein Antibody [1014].



Immunofluorescent analysis of A549 cells stained with Anti-Major Vault Protein Antibody [1014] followed by Goat Anti-Mouse IgG (CF® 488) (Green). The nuclear counterstain is RedDot (Red).



SDS-PAGE analysis of Anti-Major Vault Protein Antibody [1014] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.