

Product datasheet

anti-Major vault protein (MVP) mouse monoclonal, 1032, purified

Short overview

Cat. No. 691525

Quantity1 ml (100 μ g/ml)Concentration100 μ g/ml

Product description

HostMouseAntibody TypeMonoclonalIsotypeIgG1 kappaClone1032

Immunogen Affinity purified nuclear extract proteins

Formulation PBS with 0.02% sodium azide

UniprotID Q14764 (Human)

Synomym Major vault protein, MVP, Lung resistance-related protein, MVP, LRP

Conjugate Unconjugated

Purification Affinity chromatography

Storage 2-8°C

Intended use Research use only
Application ICC/IF, IHC, IP, WB

Reactivity Human

Applications

Immunocytochemistry (ICC)1:100-1:200 (0.5-1.0 μg/ml)Immunohistochemistry (IHC) - frozen1:50-1:100 (1-2 μg/ml)

Immunohistochemistry (IHC) - paraffin 1:50-1:100 (1-2 μg/ml; microwave treatment in 10 mM Tris with 1 mM

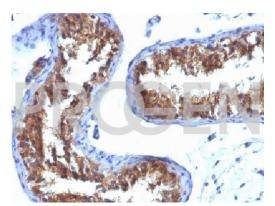
EDTA pH 9.0 recommended)

Immunoprecipitation (IP)Assay dependentWestern Blot (WB)1:50-1:100 (1-2 μg/ml)

Background

1032 is specific for the major vault protein, a 104-kDa highly conserved protein interacting with estrogen receptor. It is one of a series of four mAbs which recognize different epitopes of the protein. Major vault proteins 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.

Product images



Human testicular