

**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12)**  
**Catalog # ABO14930****Specification**

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**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | FC                     |
| Primary Accession | <a href="#">Q14764</a> |
| Host              | Mouse                  |
| Isotype           | Mouse IgG2a            |
| Reactivity        | Human                  |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-Human MVP DyLight® 488 conjugated Antibody (monoclonal, 8B12) . Tested in Flow Cytometry applications. This antibody reacts with Human.

**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Additional Information**

**Gene ID** 9961

**Other Names**

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

**Application Details**

Flow Cytometry, 1-3 µg/1x10<sup>6</sup> cells, human<br>

**Contents**

Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na<sub>2</sub>HPO<sub>4</sub>, 0.02% NaN<sub>6</sub>.

**Immunogen**

E. coli-derived human MVP recombinant protein (Position: A2-H259).

**Cross Reactivity**

No cross-reactivity with other proteins.

**Storage**

**At -20°C for one year from date of receipt.  
Avoid repeated freezing and thawing.  
Protect from light.**

**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Protein Information**

**Name** MVP

**Synonyms** LRP

**Function**

Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo-cytoplasmic transport. Down-regulates IFNG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases.

**Cellular Location**

Cytoplasm. Nucleus, nuclear pore complex. Cytoplasm, perinuclear region. Note=5% found in the nuclear pore complex (PubMed:15133037). Translocates from the nucleus to the cytoplasm upon EGF treatment (PubMed:16441665)

**Tissue Location**

Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed to xenobiotics, such as bronchial cells and cells lining the intestine. Overexpressed in many multidrug-resistant cancer cells

**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Images****Anti-Human MVP DyLight® 488 conjugated Antibody(monoclonal, 8B12) - Background**

Major vault protein is a protein that in humans is encoded by the MVP gene. This gene encodes the major component of the vault complex. Vaults are multi-subunit ribonucleoprotein structures that may be involved in nucleo-cytoplasmic transport. The encoded protein may play a role in multiple cellular processes by regulating the MAP kinase, JAK/STAT and phosphoinositide 3-kinase/Akt signaling pathways. The encoded protein also plays a role in multidrug resistance, and expression of this gene may be a prognostic marker for several types of cancer. Alternatively spliced transcript variants have been observed for this gene.