

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

Specification

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

Application	FC
Primary Accession	Q14764
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/1x10⁶ cells, human

Contents

Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na₂HPO₄, 0.02% NaN₆.

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.