

Product Data Sheet: Purified anti-Human/Mouse Myl9/12 rabbit mAb

Catalog Number:	1151
Clone:	AWBMy19F6 (F-6)
Isotype:	Rabbit IgG1κ
Immunogen:	N-terminal peptide of Myl9
Reactivity:	Mouse,Human
Cross Reactivity:	Antibody may react with the same target protein from other species sharing the same sequence.
Preparation:	Protein A+G
Formulation:	PBS, 0.09% Azide
Applications:	Functional Assay,ELISA,IHC
Recommended Usage:	Optimum concentration should be determined by the user.
Product Configuration:	100 µg
Detection:	Anti-Rabbit IgG

Description

Myosin regulatory light polypeptide 9 is a highly conserved, ubiquitously expressed protein that in humans is encoded by the MYL9 gene. Myosin, a structural component of muscle, are hexameric proteins consisting of two heavy chains and four light chains, including a single pair of nonphosphorylatable light chain subunits and another pair of phosphorylatable light chain subunits. The protein encoded by this gene is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads.

Myosin light chain (Myl) 9 and Myl12 are new functional ligands for CD69. Blockade of CD69-Myl9/12 interactio ameliorates allergic airway inflammation in ovalbumin-induced and house dust mite-induced mouse models of asthma.(1) This rabbit monoclonal antibodies against Myl9/12 (clone F-6) is made by immunization with N-terminal peptide of Myl9.

References

1. K. Hayashizaki, M. Kimura, K. Tokoyoda, et al. (2016) Science Immunology, 1:eaaf9154.
2. "Entrez Gene: myosin".

Purified anti-Human/Mouse Myl9/12 rabbit mAb Images

