

# Mab to Myozap



<b>Clone Determination</b>	Clone 517.67
<b>Category</b>	Mouse monoclonal
<b>Immunoglobulin Class</b>	IgG1
<b>Purification / Form</b>	Hybridoma culture supernatant
<b>Immunogen</b>	Synthetic peptide of human myozap (myocardium zonula adherens protein)
<b>Description/Specificity</b>	Detects myozap (myocardium zonula adherens protein), a major 54 kD polypeptide present in myocardial junctions (composite junctions in the intercalated disks), also localized in adherens type junctions of the entire cardiovascular system and in endothelia of the blood and lymph vascular systems.
<b>Reactivities on Cultured Cell Lines</b> (tested so far)	Very good on HL-1 cardiomyocytes, HUVEC endothelial cells
<b>Antigen Recognized in Species</b> (tested so far)	Human, bovine, murine
<b>Application</b>	Immunoblotting Immunofluorescence microscopy Immunohistochemistry on sections of frozen tissue or embedded material, in particular with antigen retrieval techniques
<b>Positive Control</b>	Myocard
<b>Working Dilution</b>	WB: 1:10 – 1:50 IF: undiluted IHC: undiluted
<b>Storage</b>	Store at 2-8°C; for longer storage periods aliquots may be kept at -20°C.
<b>Incubation Time</b>	1 h at RT
<b>Quantity</b>	5 ml (contains 0.09% sodium azide)

## Reference

Pieperhoff S, Rickelt S, Heid H, Claycomb WC, Zimbelmann R, Kuhn C, Winter-Simanowski S, Kuhn Ch, Frey N, Franke WW: The plaque protein myozap identified as a novel major component of adhering junctions in endothelia of the blood and the lymph vascular systems. J Cellular Molecular Medicine (2011, accepted article)

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