

## Anti-Emerin EMD Antibody Picoband® (monoclonal, 5A10) Cy3 Conjugated

Catalog Number: M00714-Cy3

### About EMD

APOBEC3G (apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G) is a human enzyme encoded by the APOBEC3G gene. This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.

### Overview

Product Name	Anti-Emerin EMD Antibody Picoband® (monoclonal, 5A10) Cy3 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Monoclonal 5A10
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	P50402

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Emerin, different from the related mouse sequence by eight amino acids, and from the related rat sequence by nine amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm

	Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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