

## Anti-CD2AP Antibody Picoband® (monoclonal, 5F8) APC Conjugated

Catalog Number: M01756-APC

### About CD2AP

CD2-associated protein is a protein that in humans is encoded by the CD2AP gene. This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein directly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells. It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. Haploinsufficiency of this gene is implicated in susceptibility to glomerular disease.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-CD2AP Antibody Picoband® (monoclonal, 5F8) APC Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Monoclonal 5F8   |
| 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           | Q9Y5K6   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E. coli-derived human CD2AP recombinant protein (Position: K253-K337).  |
| Cross Reactivity    | No cross-reactivity with other proteins.                                |
| Isotype             | Mouse IgG1  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | APC<br>Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                    |

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