

# PE/Cyanine5 Anti-Mouse CD49b Antibody [DX5]

AGEL1449

## Description

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This PE/Cyanine5 Anti-Mouse CD49b Antibody [DX5] is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

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|----------------------|---|
| <b>SKU:</b>          | AGEL1449  |
| <b>Contents:</b>     | 100µg, 25µg<br>Bradford Reagent: 1 vial (2ml)   |
| <b>Category:</b>     | Monoclonal Antibody   |
| <b>Clonality:</b>    | Monoclonal  |
| <b>Clone:</b>        | DX5   |
| <b>Synonyms:</b>     | CD49 antigen-like family member B, CD49b, Collagen receptor, GPIa, Integrin alpha-2, Platelet membrane glycoprotein Ia, VLA-2 subunit alpha, pan-NK cells |
| <b>Applications:</b> | <b>FCM</b>  |
| <b>Reactivity:</b>   | Mouse   |
| <b>Immunogen:</b>    | -   |

## Antibody Data

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|----------------------|------------|
| <b>Uniprot ID:</b>   | Q62469     |
| <b>Gene ID:</b>      | 16398      |
| <b>Swissprot:</b>    | Q62469     |
| <b>Host Species:</b> | Rat        |
| <b>Isotype:</b>      | Rat IgM, κ |

|                                 |  |
|---------------------------------|--|
| <b>Isotype Control:</b>         | PE/Cyanine5 Rat IgM, κ Isotype Control[RTK2118]  |
| <b>Conjugation:</b>             | PE/Cyanine 5   |
| <b>Conjugation Information:</b> | PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter). |
| <b>Buffer:</b>                  | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.  |
| <b>Purification:</b>            | -  |
| <b>Target:</b>                  | CD49b  |
| <b>Cellular Localization:</b>   | Membrane   |
| <b>Tissue Specificity:</b>      | -  |
| <b>Verified Samples:</b>        | -  |
| <b>Concentration:</b>           | 0.2 mg/mL  |

## Preparation & Storage

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**Storage:** This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.

**Shipping:** Ice bag

**Recommended Dilution:** -

**Recommended Usage:**

| Application | Recommended Usage   |
|-------------|---|
| FCM         | Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/106 cells in 100 µL volume] |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

