

## DESCRIPTION

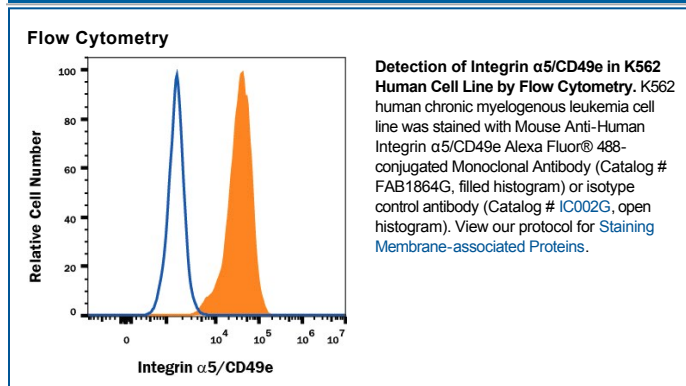
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Human  |
| <b>Specificity</b>        | Detects human Integrin $\alpha$ 5/CD49e.   |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 238307   |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human Integrin $\alpha$ 5/CD49e<br>Phe42-Tyr995<br>Accession # P08648  |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm  |
| <b>Formulation</b>        | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

|                       | Recommended Concentration            | Sample    |
|-----------------------|--------------------------------------|-----------|
| <b>Flow Cytometry</b> | 0.25-1 $\mu$ g/10 <sup>6</sup> cells | See Below |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.                                  |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul> |

## BACKGROUND

The Integrin  $\alpha$ 5 subunit, also called CD49e, associates with the Integrin  $\beta$ 1 subunit (CD29) to form the VLA-5 complex. It functions as a receptor for fibronectin and is expressed on fibroblasts, endothelial cells, epithelial cells, platelets and some melanoma cell lines (1, 2).

### References:

1. Springer, T.A. *et al.* (1982) *Immunol. Rev.* **68**:171.
2. Te Velde, A. *et al.* (1988) *J. Immunol.* **140**:1548.

## PRODUCT SPECIFIC NOTICES

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