

## DESCRIPTION

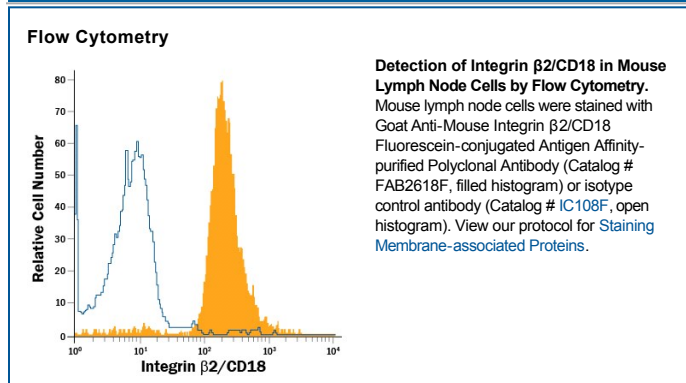
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Integrin $\beta$ 2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 30% cross-reactivity with recombinant human Integrin $\beta$ 2 and recombinant mouse (rm) Integrin $\beta$ 6 is observed and less than 5% cross-reactivity with rmlIntegrin $\beta$ 1, rmlIntegrin $\beta$ 4, and rmlIntegrin $\beta$ 7 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse Integrin $\beta$ 2 Gln24-Asn702 Accession # P11835
<b>Conjugate</b>	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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>	10 $\mu$ L/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

Integrin  $\beta$ 2 is a 90-100 kDa type I transmembrane protein that belongs to Group A of the Integrin  $\beta$  subunit family of molecules. It is expressed by multiple hematopoietic cells, including basophils, neutrophils, NK cells, monocytes, eosinophils, B cells, mast cells, and macrophages, as well as endothelial cells. It occurs in heterodimeric complexes with Integrin subunits  $\alpha$ D,  $\alpha$ L (complex also known as LFA-1),  $\alpha$ M (Mac-1), or  $\alpha$ X (CR-4). These complexes are important in adhesion and leukocyte trafficking. Over amino acids (aa) 24-702, mouse Integrin  $\beta$ 2 shares 90% and 81% aa sequence identity with rat and human Integrin  $\beta$ 2, respectively.