

## DESCRIPTION

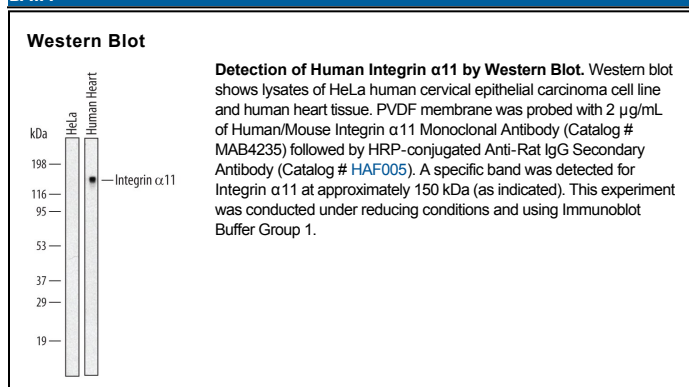
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse Integrin $\alpha 11$ in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant human Integrin $\alpha 2$ , $\alpha 10$ , $\alpha X$ , or $\alpha L$ .
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # 396214
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Integrin $\alpha 11$ Phe23-Pro1142 (Leu972Pro, Val1030 del) Accession # EAW77820
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m filtered solution in PBS.

## 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>Western Blot</b>	1 $\mu$ g/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Integrin  $\alpha 11$  (ITGA11) is a 150 kDa transmembrane glycoprotein that associates with the Integrin  $\beta 1$ /CD29 chain to form a receptor for collagen I and IX. ITGA11 is most highly expressed in adult cardiac and uterine smooth muscle and developing myocytes. The extracellular region contains seven FG-GAP repeats and one VWF-C domain. Within the extracellular domain, human and mouse ITGA11 share 90% aa sequence identity.