

Human/Mouse Integrin α11 Antibody

Monoclonal Rat IgG₁ Clone # 396214 Catalog Number: MAB4235

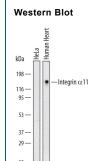
DESCRIPTION	CRIPTION	
Species Reactivity	Human/Mouse	
Specificity	Detects human and mouse Integrin α11 in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant human Integrin α2, α10, αX, or αL.	
Source	Monoclonal Rat IgG ₁ Clone # 396214	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Integrin α11 Phe23-Pro1142 (Leu972Pro, Val1030 del) Accession # EAW77820	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm 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
Western Blot	2 μg/mL	See Below

DATA



Detection of Human Integrin α11 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and human heart tissue. PVDF membrane was probed with 2 μg/mL of Human/Mouse Integrin a11 Monoclonal Antibody (Catalog # MAB4235) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # Catalog # HAF-005). A specific band was detected for Integrin a11 at approximately 150 kDa (as indicated). This experiment was conducted under non-reducing conditions and using Immunoblot Buffer Group 1.

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Integrin α11 (ITGA11) is a 150 kDa transmembrane glycoprotein that associates with the Integrin β1/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% as sequence identity.

Rev. 1/18/2021 Page 1 of 1

