

Human Integrin β6 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: BAF4155

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Integrin β6 in Western blots. In Western blots, approximately 25% cross-reactivity with recombinant mouse Integrin β6 is observed, approximately 10% cross-reactivity with recombinant human (rh) Integrin β3 is observed, and less than 5% cross-reactivity with rhIntegrin β5 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin β6 Gly22-Asn707 Accession # P18564
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

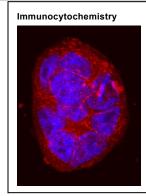
APPLICATIONS

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	0.1 μg/mL	Recombinant Human Integrin β6
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
Immunocytochemistry	5-15 μg/mL	See Below

Detection of Integrin β6 in HT-29 Human Cell Line by Flow Cytometry.

HT-29 human colon adenocarcinoma cell line was stained with Sheep Anti-Human Integrin β6 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF4155, filled histogram) or control antibody (Catalog # BAF020, open histogram), followed by Streptavidin-Phycoerythrin (Catalog # F0040).



Integrin $\beta 6$ in HT-29 Human Cell Line. Integrin $\beta 6$ was detected in immersion fixed HT-29 human colon adenocarcinoma cell line using Sheep Anti-Human Integrin $\beta 6$ Biotinylated Antigen Affinity-purified Polysclonal Antibody (Catalog # BAF4155) at 10 $\mu g/mL$ for 3 hours at room temperature. Cells were stained using the NorthernLights m 557-conjugated Streptavidin (red; Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and cell surface. View our protocol for Fluorescent ICC Staining of Cells on Coversilps.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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 β 6 (ITG β 6) is a 95 kDa member of the Integrin beta family. It forms noncovalent heterodimers with Integrin α V and appears on epithelia following injury or inflammation. It activates TGF- β and assists keratinocyte migration. Human Integrin β 6 is a type I transmembrane glycoprotein that is 767 aa in length. It contains a 688 aa extracellular domain (ECD) (aa 22-709) that incorporates a 241 aa VWF-A domain. Over aa 22-707, human integrin β 6 ECD shares 90% and 93% aa sequence identity with mouse and pig integrin β 6 ECD, respectively.

Rev. 2/6/2018 Page 1 of 1

