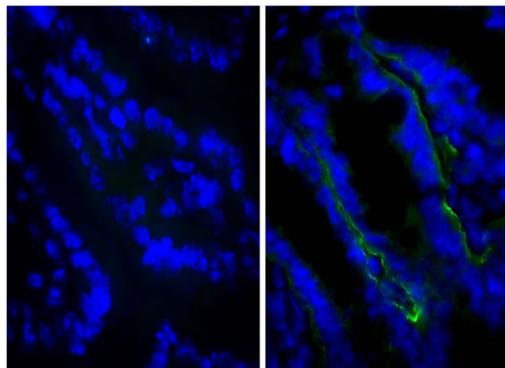




## Rat Anti-Mouse CD104

Cat. No.	Format	Size
1855-01	Purified (UNLB)	0.5 mg
1855-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Frozen BALB/c mouse intestine tissue was stained with Rat IgG<sub>2a</sub>-UNLB isotype control (SB Cat. No. 0117-01; left) and Rat Anti-Mouse CD104-UNLB (SB Cat. No. 1855-01; right) followed by Goat Anti-Rat IgG(H+L), Mouse ads-BIOT (SB Cat. No. 3050-08), Streptavidin-FITC (SB Cat. No. 7100-02), and DAPI.

### Overview

<b>Clone</b>	346-11A
<b>Isotype</b>	Rat (Fischer 344) IgG <sub>2aκ</sub>
<b>Immunogen</b>	Tumor-associated antigen TSP-180 purified from a transplantable BALB/c carcinoma
<b>Specificity</b>	Mouse CD104; Mr 205 kDa
<b>Alternate Name(s)</b>	Integrin β <sub>4</sub>

### Description

CD104 represents the integrin β<sub>4</sub> subunit that associates non-covalently with integrin α<sub>6</sub> (CD49f) to form the α<sub>6</sub>β<sub>4</sub> integrin heterodimer. The α<sub>6</sub>β<sub>4</sub> complex is expressed on the basal surface of a variety of epithelial cell types particularly on stratified squamous epithelia. It is also found in peripheral nerves, in certain subsets of endothelial cells, and on immature thymocytes. It also has been found to be associated with a number of malignant tissues. Hemidesmosomal α<sub>6</sub>β<sub>4</sub> plays an important role in the adhesion of epithelial cells to basement membranes via interactions with laminin and/or kalinin anchoring filaments. It is not known if the monoclonal antibody 346-11A can block this adhesion.

### Applications

IHC-FS – Quality tested <sup>3,5</sup>  
 ICC – Reported in literature <sup>6,7</sup>  
 FC – Reported in literature <sup>6,7</sup>  
 IP – Reported in literature <sup>1-4,7</sup>  
 WB – Reported in literature <sup>2,3,5</sup>

### Working Dilutions

**Immunohistochemistry** Purified (UNLB) antibody ≤ 5 μg/mL

**Other Applications** Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Reagents are stable for the period shown on the label if stored as directed.

## References

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