

Datasheet for ABIN5611134
anti-Integrin beta 4 antibody (AA 29-206)



[Go to Product page](#)

6 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | Integrin beta 4 (ITGB4) |
| Binding Specificity: | AA 29-206 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Integrin beta 4 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Flow Cytometry (FACS), ELISA, Immunocytochemistry (ICC) |

Product Details

| | |
|---------------|---|
| Purpose: | CD104 Antibody |
| Immunogen: | Purified recombinant fragment of human CD104 (AA: 29-206) expressed in E. Coli. |
| Clone: | 1D6B4 |
| Isotype: | IgG2a |
| Purification: | Purified antibody |

Target Details

| | |
|-------------------|--|
| Target: | Integrin beta 4 (ITGB4) |
| Alternative Name: | CD104 (ITGB4 Products) |
| Background: | Description: Integrins are heterodimers comprised of alpha and beta subunits, that are |

Target Details

noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Aliases: ITGB4, GP150

Molecular Weight: 202.2kDa

Gene ID: 3691

HGNC: 3691

UniProt: [P16144](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400
ICC: 1/200 - 1/1000

Restrictions: For Research Use only

Handling

Format: Liquid

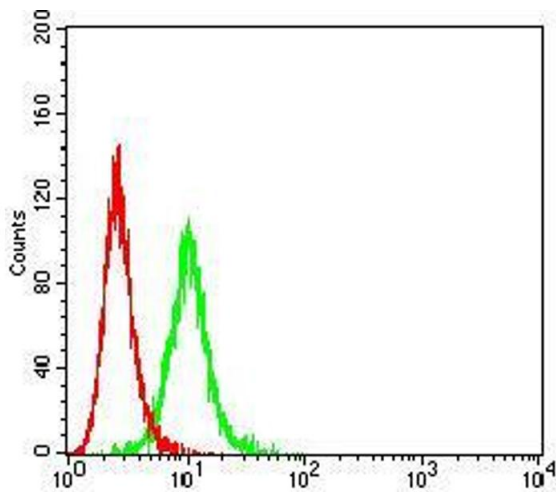
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

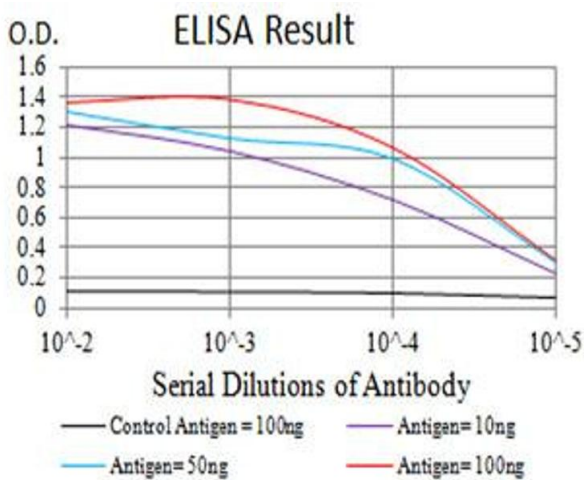
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



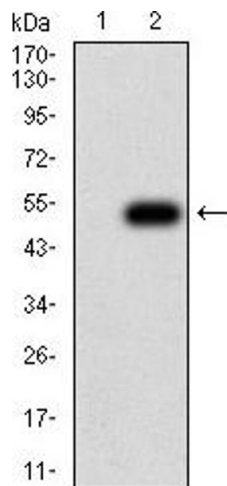
Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using CD104 mouse mAb (green) and negative control (red).



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD104 mAb against HEK293 (1) and CD104 (AA: extra 29-206)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5611134.