

Datasheet for ABIN5611133
anti-Integrin beta 4 antibody (AA 29-206)

6 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Integrin beta 4 (ITGB4)
Binding Specificity:	AA 29-206
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD104 (AA: extra 29-206) expressed in E. coli.
Clone:	5G3G5
Isotype:	IgG2a
Purification:	purified

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 noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities.

Target Details

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:	202.2 kDa
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Gene ID:	3691
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HGNC:	3691
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Pathways:	Integrin Complex
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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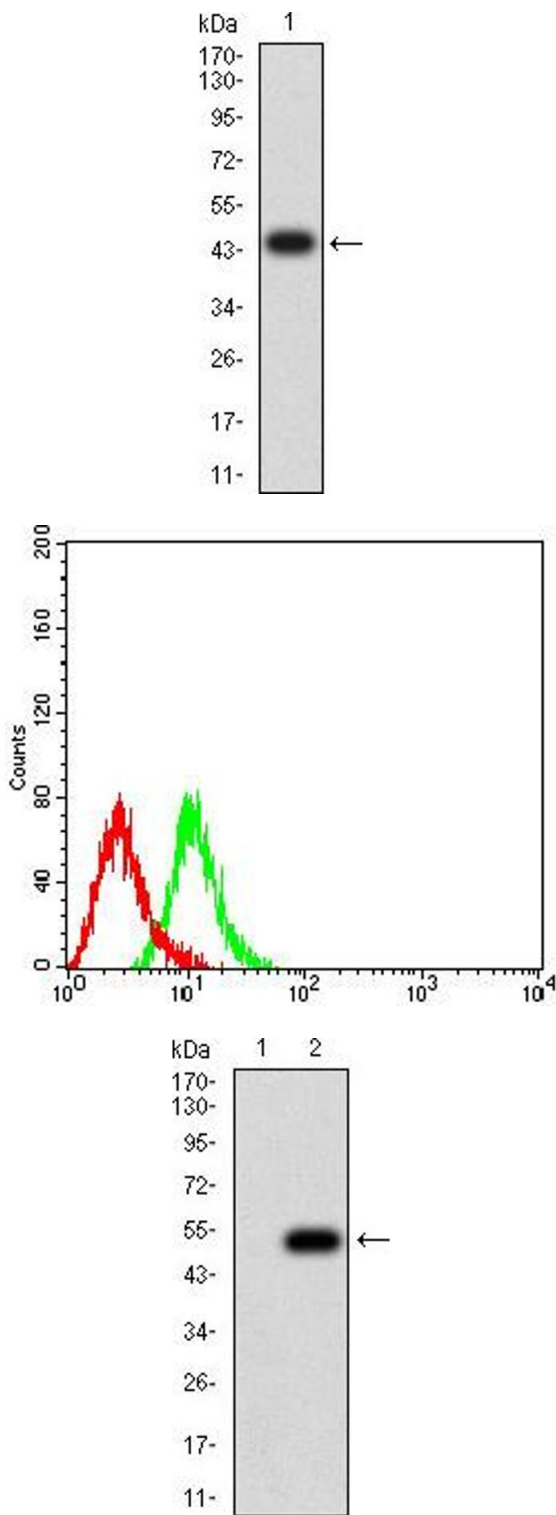
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Western Blotting

Image 1. Western blot analysis using CD104 mAb against human CD104 (AA: extra 29-206) recombinant protein. (Expected MW is 46.5 kDa)

Flow Cytometry

Image 2. Flow cytometric analysis of HL-60 cells using CD104 mouse mAb (green) and negative control (red).

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 ABIN5611133.