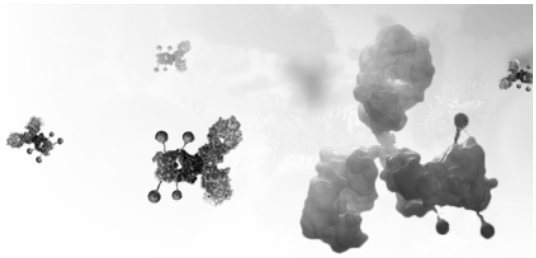

Anti-ITGB4 monoclonal antibody, clone 346-11A [R-PE] (CABT-50700RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD104 antibody, clone 346-11A recognizes mouse integrin beta 4 (CD104), a 200kD glycoprotein that can associate with integrin alpha 6 (CD49f) to form a heterodimer on the cell surface. Expression of CD104 is localised to the basal region of a wide variety of epithelial cells. In mice, CD104 is also expressed on peripheral neurones, carcinoma cell lines and a subset of endothelial cells. The alpha 6 beta 4 (CD49f/CD104) integrin has been identified as a component of hemidesmosomes in stratified squamous epithelium where it plays an important role in the adhesion of epithelia to basement membrane. Studies suggest that the CD49f/CD104 integrin is involved in cell matrix adhesion but expression of the CD49f/CD104 integrin in endothelial cells is thought to have a different function. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul
Specificity	ITGB4
Immunogen	TSP-180 purified from Balb/c murine carcinoma.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	346-11A
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests

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Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Itgb4 integrin beta 4 [Mus musculus (house mouse)]
Official Symbol	ITGB4
Synonyms	ITGB4; integrin beta 4; CD104; AA407042; C230078O20; integrin beta-4;
Entrez Gene ID	192897
Protein Refseq	NP_001005608
Chromosome Location	11 E2; 11 80.91 cM
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Assembly of collagen fibrils and other multimeric structures; Cell junction organization; Cell-Cell communication; Collagen formation; Dilated cardiomyopathy; ECM-receptor interaction;
Function	G-protein coupled receptor binding; receptor activity;

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