ITGB4 (Human) Cell-Based ELISA Kit

Catalog # KA2925 Size 1 Kit

Specification

Product Description	ITGB4 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative deter mination of ITGB4 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ITGB4

Entrez GeneID	3691
Protein Accession#	P16144
Gene Name	ITGB4
Gene Alias	CD104
Gene Description	integrin, beta 4

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Omim ID	131800 147557 226650 226730
Gene Ontology	Hyperlink
Gene Summary	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. 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. [provided by RefSeq
Other Designations	CD104 antigen|GP150|integrin beta 4|integrin beta-4 subunit

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- ECM-receptor interaction
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Regulation of actin cytoskeleton

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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