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Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant

Integrin alpha V beta 5, ITGAVB5, ITGAV & ITGB5
Catalog # PBV11601r

Specification

Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant - Product info

Primary Accession	P06756, P18084
Calculated MW	**113 kDa KDa**

Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant - Additional Info

Other Names
Integrin alpha V beta 5, ITGAVB5, ITGAV & ITGB5

Gene Source	**Human**
Source	**HEK 293 cells**
Assay&Purity	**SDS-PAGE;> 95%**
Recombinant	**Yes**

Target/Specificity
ITGAV, ITGB5

Application Notes
Reconstitute in sterile deionized water to the desired protein concentration.

Format
Lyophilized

Storage
-20°C;Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Trehalose is added as protectant before lyophilization.

Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant - Images

Human CellExp™ Integrin alpha V beta 5 Heterodimer, Human recombinant - Background

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Integrin alpha V beta 5 (ITGAV & ITGB5 or ITGAVB5) is expressed on a wide variety of cell types including keratinocytes, fibroblasts, adhesive monocytes, embryonic stem cells, and select endothelium and epithelium. ITGAV & ITGB5 binds ligands containing an RGD motif, notably vitronectin. Growth factors that increase PKC activity, such as VEGF or TGF alpha, promote ITGAVB5-mediated angiogenesis while alpha V beta 3, which may be expressed in the same cell, responds to FGF-basic and TNF alpha. An inhibitor of both down regulates tumor angiogenesis. During lung inflammation, up regulation of ITGAVB5 on myofibroblasts or infiltrating lymphocytes may contribute to fibrosis by freeing TGF beta from latency.