

# Anti-alpha 5 beta 1 Integrin, Human IgG4 Antibody

<b>CATALOG NO:</b>	A1092-200
<b>ALTERNATIVE NAMES:</b>	Fibronectin receptor; CD49 antigen-like family member E; Integrin alpha-F; VLA-5; CD49e
<b>AMOUNT:</b>	200 µg
<b>IMMUNOGEN:</b>	Heterodimeric α5β1Fc fusion protein
<b>ISOTYPE / FORMAT:</b>	Human IgG4, kappa
<b>CLONALITY:</b>	Monoclonal
<b>CLONE:</b>	M200
<b>SPECIES REACTIVITY:</b>	Human
<b>FORM:</b>	Liquid
<b>SPECIFICITY:</b>	The antibody binds to human α5β1 integrin with a K <sub>d</sub> of 0.367 nM (determined by Biacore), an EC <sub>50</sub> of 0.2 nM and an IC <sub>50</sub> of 2.3 nM.
<b>PURIFICATION:</b>	Affinity purified using Protein A
<b>FORMULATION:</b>	Supplied in PBS with preservative (0.02% Proclin 300)
<b>STORAGE CONDITIONS:</b>	Store at 4 °C for up to 3 months. For long term storage, aliquot and freeze at -20 °C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	Recombinant monoclonal antibody to alpha 5 beta 1 Integrin is manufactured using recombinant technology with variable regions (i.e. specificity) from the hybridoma M200. The antibody binds specifically to α5β1 integrin, which is part of the superfamily of glycoprotein transmembrane receptors for ligands such as fibronectin, vitronectin, laminins and collagens. The α5β1 integrin receptor plays a key role in cellular processes such as inflammation, cell proliferation, angiogenesis and tumour metastasis.
<b>APPLICATION:</b>	ELISA; FC; IF; Block; IHC
<b>REFERENCE:</b>	Ramakrishnan <i>et al.</i> Preclinical evaluation of an anti-alpha5beta1 integrin antibody as a novel anti-angiogenic agent. J Exp Ther Oncol. 2006;5 (4):273-86

**RELATED PRODUCTS:**

- Anti-VEGF, humanized Antibody (**Cat. No. A1045-100**)
- Anti-HER2, humanized Antibody (**Cat. No. A1046-100**)
- Anti-EGFR, Chimeric Antibody (**Cat. No. A1047-100**)
- Anti-TNF-α, humanized Antibody (**Cat. No. A1048-100**)
- Anti-CD20, Chimeric Antibody (**Cat. No. A1049-100**)
- Anti-EGFR, humanized antibody (**Cat. No. A1050-100**)
- Anti-OX40L, Human IgG1 Antibody (**Cat. No. A1088-200**)
- Anti-CD11a, Human IgG1 Antibody (**Cat. No. A1089-200**)
- Anti-EGFR, Human IgG1 Antibody (**Cat. No. A1090-200**)
- Anti-CD4, Human IgG4 Antibody (**Cat. No. A1091-200**)
- Anti-TNF alpha, Human IgG4 Antibody (**Cat. No. A1093-200**)
- Anti-CD40L, Human IgG1 Antibody (**Cat. No. A1094-200**)
- Anti-Human Ephrin Type A receptor 2 (1C1), Human IgG1 Antibody (**Cat. No. A1095-200**)
- Anti-Carcinoembryonic antigen, Human IgG1 Antibody (**Cat. No. A1096-200**)
- Anti-TNF alpha, Human IgG1 Antibody (**Cat. No. A1097-200**)
- Anti-IL-2R alpha (CD25), Human IgG1 Antibody (**Cat. No. A1098-200**)
- Anti-IL-2R alpha, Human IgG1 Antibody (**Cat. No. A1099-200**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**