

**Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab)
Recombinant Antibody
Catalog # APR10706****Specification**

Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P08514
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) - Additional Information**Target/Specificity**

Integrin b2 / ITGB2 / CD18

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) - Protein Information**Name** ITGA2B**Synonyms** GP2B, ITGAB**Function**

Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain (By similarity). Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen (PubMed:9111081). This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

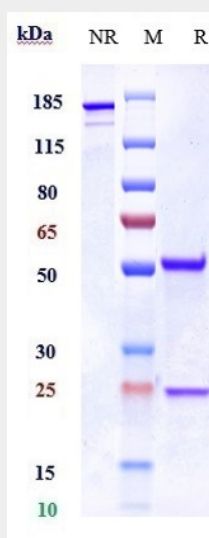
Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but not in reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656). Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL, WM983A, WM983B and WM35. Not detected in platelets, nor in normal prostate (at protein level) (PubMed:9809974)

Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) - Protocols

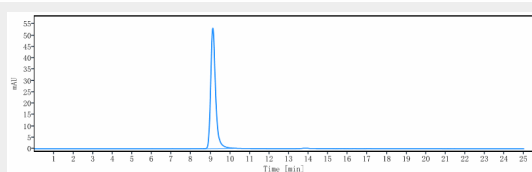
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) - Images



Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-Integrin b2 / ITGB2 / CD18 Reference Antibody (erlizumab) is more than 95%, determined by SEC-HPLC.