

## Data Sheet

<b>Product Name:</b>	Abciximab
<b>Cat. No.:</b>	CS-0031162
<b>CAS No.:</b>	143653-53-6
<b>Target:</b>	Integrin
<b>Pathway:</b>	Cytoskeleton
<b>Solubility:</b>	10 mM in DMSO

# Abciximab

### BIOLOGICAL ACTIVITY:

Abciximab (C7E3), a chimeric mouse/human monoclonal antibody, is a **glycoprotein (GP) IIb/IIIa** inhibitor. Abciximab inhibits platelet aggregation and leucocyte adhesion by binding to the glycoprotein IIb/IIIa, vitronectin and Mac-1 receptors<sup>[1]</sup>. *In Vitro*: Abciximab (C7E3) inhibits platelet aggregation induced by physiologic and pathologic agonists by binding to the platelet  $\alpha_{IIb}\beta_3$  integrin<sup>[2]</sup>. Abciximab appears to have similar affinity for the  $\alpha_{IIb}\beta_3$  and  $\alpha_v\beta_3$  integrins and redistributes between them<sup>[2]</sup>. *In Vivo*: Abciximab (C7E3) (0.25 mg/kg/day; i.v.; 28 days) effectively prevents neointimal hyperplasia<sup>[2]</sup>.

### References:

[1]. Ibbotson T, et al. Abciximab: an updated review of its therapeutic use in patients with ischaemic heart disease undergoing percutaneous coronary revascularisation. *Drugs*. 2003;63(11):1121-63.

[2]. Wu CH, et al. Mechanisms involved in the inhibition of neointimal hyperplasia by abciximab in a rat model of balloon angioplasty. *Thromb Res*. 2001 Feb 1;101(3):127-38.

### CAIndexNames:

Immunoglobulin G1Immunoglobulin G1, anti-(human integrin  $\alpha_{IIb}\beta_3$ ) Fab fragment (human-mouse monoclonal c7E3 clone p7E3VHhC $\gamma$ 1  $\gamma$ 1-chain), disulfide with human-mouse monoclonal c7E3 clone p7E3VkhC $\kappa$   $\kappa$ -chain, anti-(human integrin  $\alpha_{IIb}\beta_3$ ) Fab fragment (human-mouse monoclonal c7E3 clone p7E3VHhC $\gamma$ 1  $\gamma$ 1-chain), disulfide with human-mouse monoclonal c7E3 clone p7E3VkhC $\kappa$   $\kappa$ -chain

### SMILES:

[Abciximab]

**Caution: Product has not been fully validated for medical applications. For research use only.**

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