

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Thrombin R (S42) Peptide

Cat No.: BS7067P

Background

Thrombin receptor (also designated protease-activated receptor-1 or PAR-1), PAR-2 and PAR-3 compose a distinct class of G protein-coupled receptors activated by proteolysis. Cleavage of these receptors by proteases occurs within the amino-terminal extracellular domain. Thrombin, a serine protease involved in platelet aggregation and blood coagulation, activates the thrombin receptor, resulting in elevated intracellular calcium levels in platelets. Thrombin also cleaves PAR-3 in vitro, suggesting that PAR-3 may be involved in thrombosis or mitogenesis. Thrombin receptor and PAR-4 appear to account for most thrombin signaling in platelets. Activation of PAR-2 in vitro is induced by trypsin, suggesting that PAR-2 is not an alternative thrombin receptor. Cytokines including TNF- α and IL-1 β increase PAR-2 expression, indicating PAR-2 involvement in the acute inflammatory response.

Swiss-Prot

P25116

Applications

Blocking

Specificity

This peptide can be used with studies using BS7067 Thrombin R (S42) pAb.

Purification & Purity

Synthetic peptide Thrombin R (S42). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.