

Thrombin (serine protease) thrombin

thrombin thrombin CXC (CXC chemokine) IL-8/CXCL8 IL-8/CXCL8 T (elastase) thrombin IL-8/CXCL8 thrombin IL-8/CXCL8

thrombin PI-PLC/PKC α /c-Src/IKK α / β NF- κ B IL-8/CXCL8 thrombin MIP-2 KC(IL-8/CXCL8) (A549)

A549 thrombin SFLLRN-NH₂ (PAR1) GYPGQV-NH₂ (PAR4) IL-8/CXCL8-luciferase Thrombin IL-8/CXCL8 PPACK (thrombin) U73122 (PI-PLC) Ro-32-0432 (PKC α) NF- κ B Bay117082 (I κ B) thrombin IL-8/CXCL8-luciferase

c-Src (c-Src DN) κ B IL-8/CXCL8 Thrombin c-Src tyr416 c-Src Thrombin c-Src Ro-32-0432 Thrombin I κ B kinase α / β (IKK α / β) I κ B α I κ B α NF- κ B A549 Ro-32-0432 c-Src DN thrombin IKK α / β κ B-luciferase NF- κ B- DNA- thrombin PKC α c-Src IKK α / β

MIP-2 thrombin KC thrombin PAR1 PAR4 PI-PLC/PKC α /c-Src/IKK α / β NF- κ B

IL-8/CXCL8 The Journal of Immunology (2006) thrombin 177:3427-3438