

**Modulation of mast cell proliferative and inflammatory responses by
Leukotriene D₄ and Stem Cell Factor signaling interactions**

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Supplementary figure legends

Supplementary figure 1. LTD₄ and SCF synergistically phosphorylate c-Kit in

BMMCs- c-Kit phosphorylation and GAPDH levels in BMMC lysates were analyzed after treatment with 500 nM of LTC₄, LTD₄ and LTE₄ in the presence or absence of 100ng/ml mouse SCF for 15 minutes. The data represents a representative blot of two experiments performed.

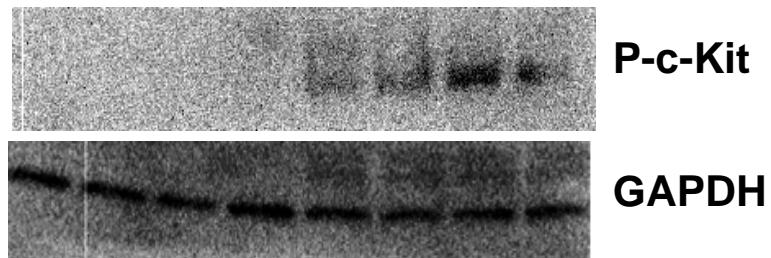
Supplementary figure 2. LTD₄ enhances SCF-mediated cell proliferation and SCF

potentiates LTD₄-induced c-fos phosphorylation and expression in hMCs- (A)

hMCs stimulated with 500 nM LTD₄ in the presence or absence of 100ng/ml SCF was measured by BrdU ELISA. Changes in cell proliferation were expressed as percentage of control. The data represents mean ± SEM of three separate experiments. Data was analyzed with student's t-test *P<0.05. (B) MCs were treated with 500 nM LTD₄ and/or 100ng/ml of SCF for 1 h and the phospho, total c-fos and GAPDH levels were evaluated by western blotting. The data represents a representative blot of two experiments performed.

Supplementary Figure 1

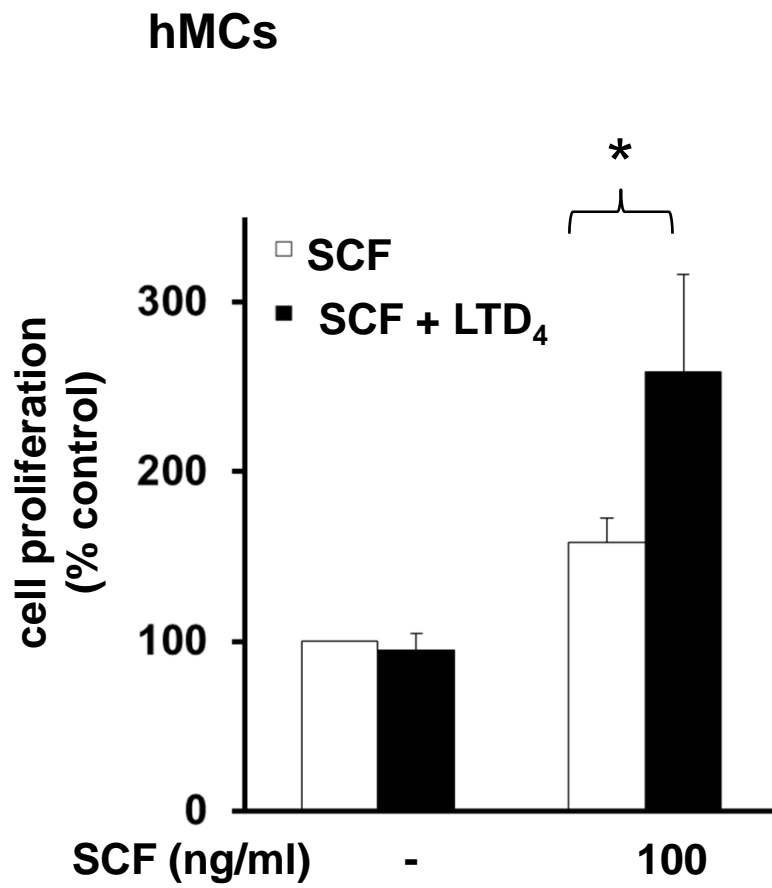
BMMCs



-	-	-	-	+	+	+	+	SCF
-	+	-	-	-	+	-	-	LTC ₄
-	-	+	-	-	-	+	-	LTD ₄
-	-	-	+	-	-	-	+	LTE ₄

Supplementary Figure 2

A



B

