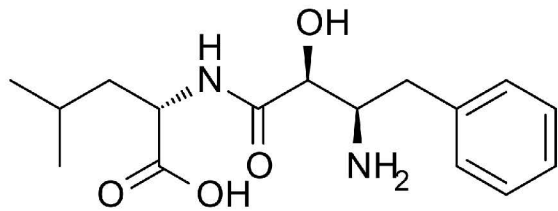
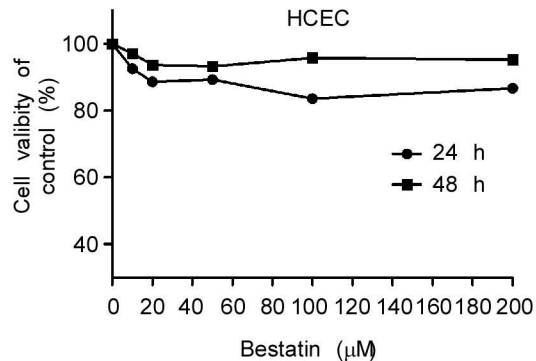
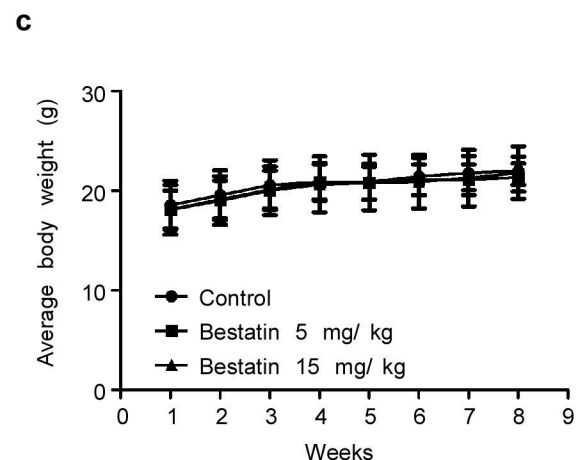
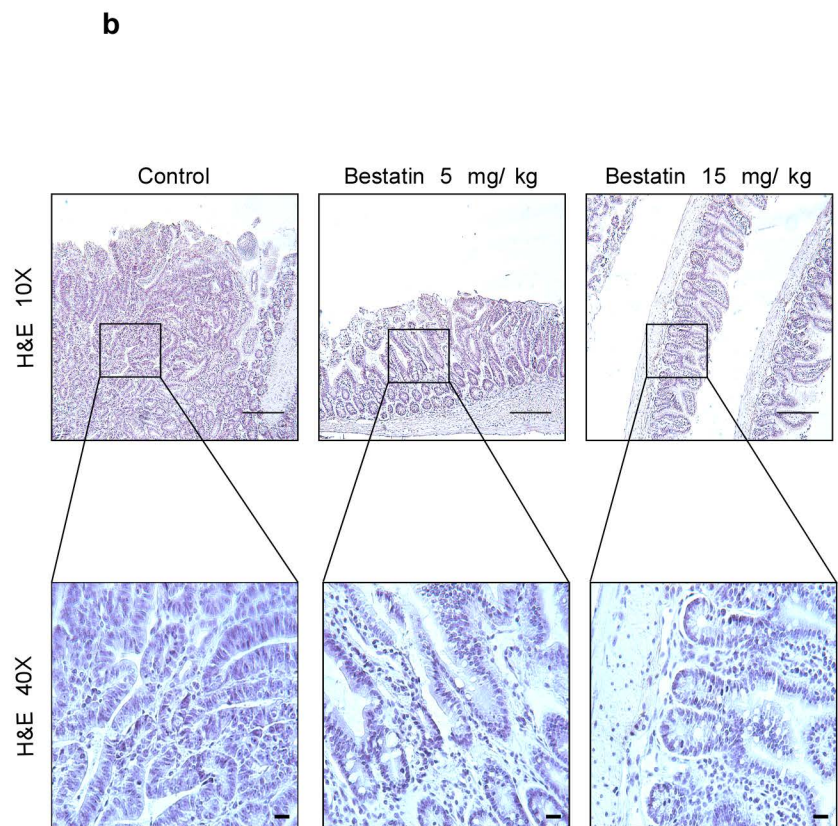
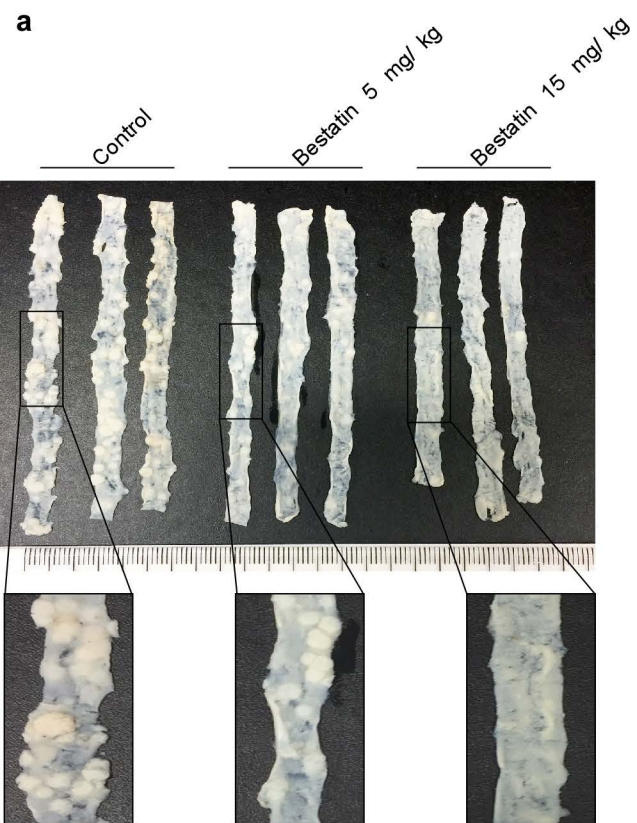


a



b



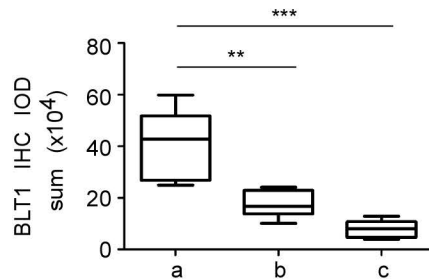
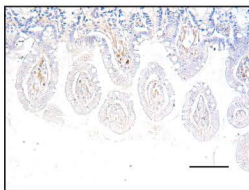
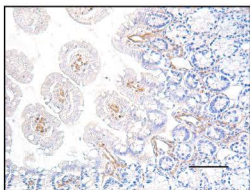
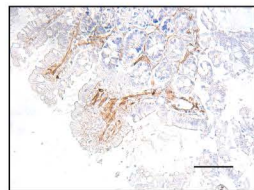


a

Control (a)

Bestatin 5 mg/ kg (b)

Bestatin 15 mg/ kg (c)

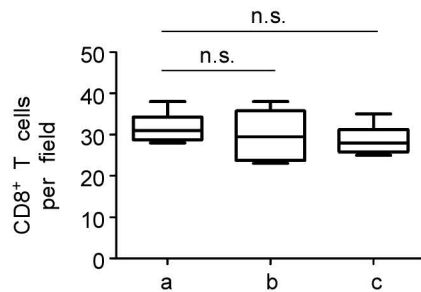
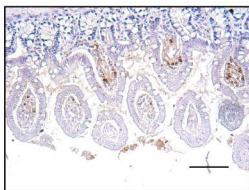
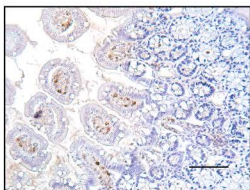
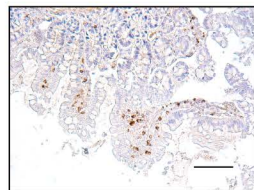


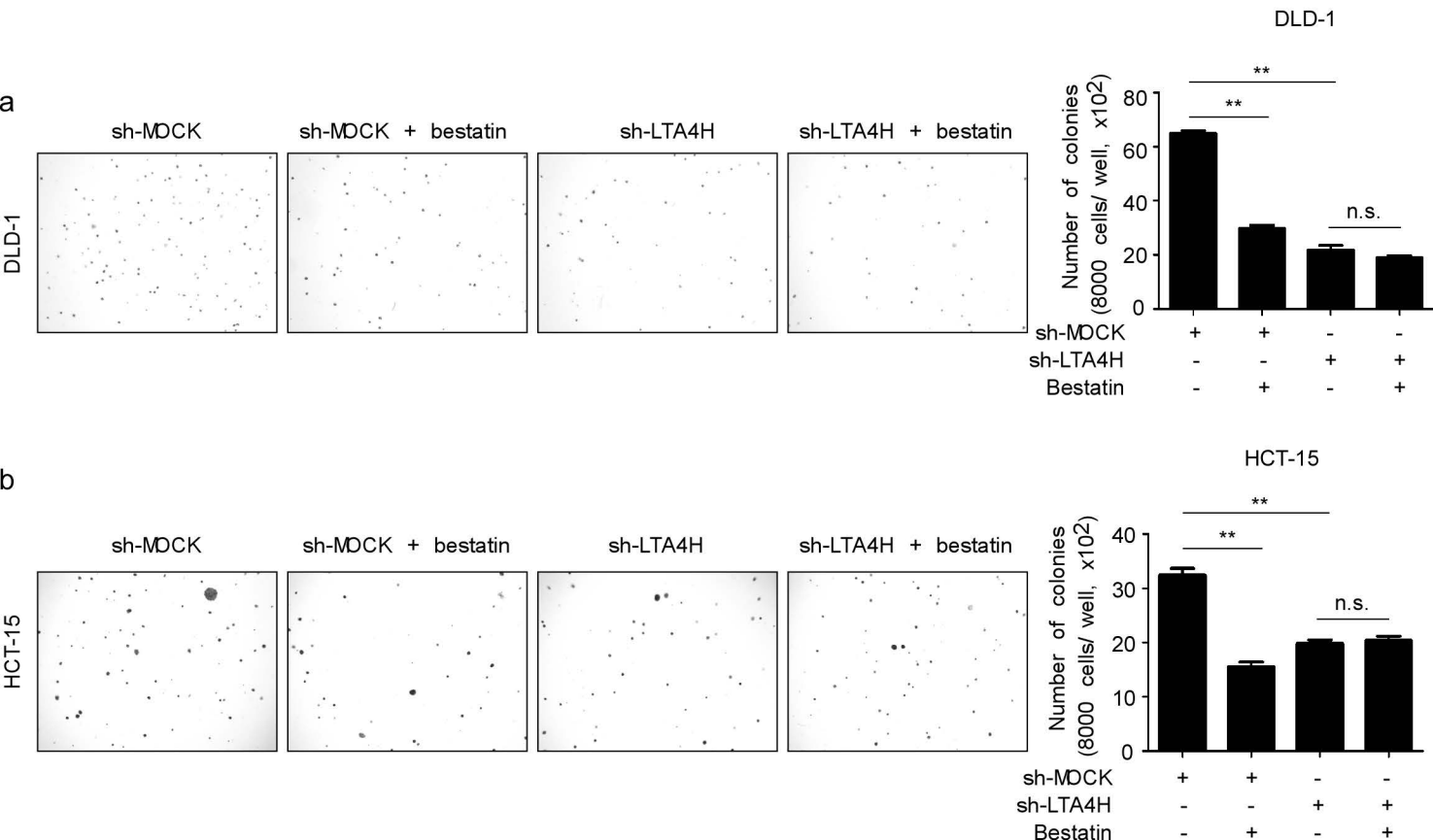
b

Control (a)

Bestatin 5 mg/ kg (b)

Bestatin 15 mg/ kg (c)





Supplementary Figure Legends

Fig. s1. LTA4H expression in human colon cancer cell lines

Protein levels of LTA4H were analyzed by Western blot in human colon cancer cell lines.

Fig. s2. Bestatin is non-toxic to normal colon cells

(a) The structure of bestatin. (b) HCEC normal colon cells were treated with different concentrations of bestatin for 24 or 48 h and toxicity was estimated by a crystal violet staining assay.

Fig. s3. Bestatin inhibits intestinal adenoma formation in $Apc^{Min/+}$ mice.

- (a) Representative photographs show tumor (polyp) formation in $Apc^{Min/+}$ mice.
- (b) H&E staining of $Apc^{Min/+}$ mouse intestine.
- (c) Bestatin had no effect on the body weight of bestatin-treated mice compared with control mice.

Fig. s4. Bestatin inhibits BLT1 expression in CD8-positive stained tissues.

(a) BLT1 expression in $Apc^{Min/+}$ mouse tissue were detected by immunohistochemistry and the representative cases are shown. The asterisks (**, ***) indicate a significant ($p < 0.01$, $p < 0.001$, respectively) difference (Scale bar, 100 μ m). (b) CD8 expression in $Apc^{Min/+}$ mouse tissue was detected by immunohistochemistry and representative cases are shown (n.s. indicates no significant difference; Scale bar, 100 μ m).

Fig. s5. Bestatin cannot inhibit colony formation of shLTA4H cells.

(a) DLD-1 cells expressing shMOCK or shLTA4H were treated with bestatin (50 μ M) and grown in

soft agar. The colony numbers were counted. The data are shown as mean values \pm S.E. from triplicate experiments. The asterisks (**) indicate a significant ($p < 0.01$) difference (n.s. indicates no significant difference). **(b)** HCT-15 cells expressing shMOCK or shLTA4H were treated with bestatin (50 μ M) and grown in soft agar. The colony numbers were counted. The data are showed as mean values \pm S.E. from triplicate experiments. The asterisks (**) indicate a significant ($p < 0.01$) difference (n.s. indicates no significant difference).