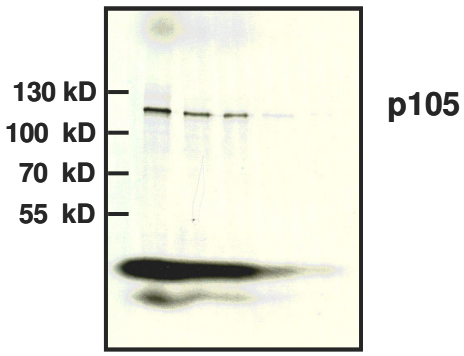
Supplemental Table 1

Subunits	controls	UC noninflamed	UC inflamed	CD noninflamed	CD inflamed
β1	+++	++	++	++	+
β1i	+	++	++	++	+++
β2	+++	++	++	++	+
β2i	-	-	-	-	++
β5	+	+	+	+	+
β5i	+++	+++	+++	+++	+++

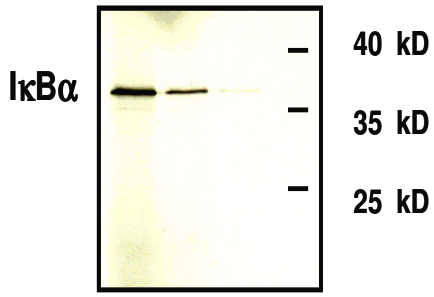
Catalytic β subunits of 20S proteasomes isolated from colon of patients with IBD and control patients were compared and evaluated: - not detectable, + traces, ++ normal expression, +++ increased expression.

Supplemental Figure 1



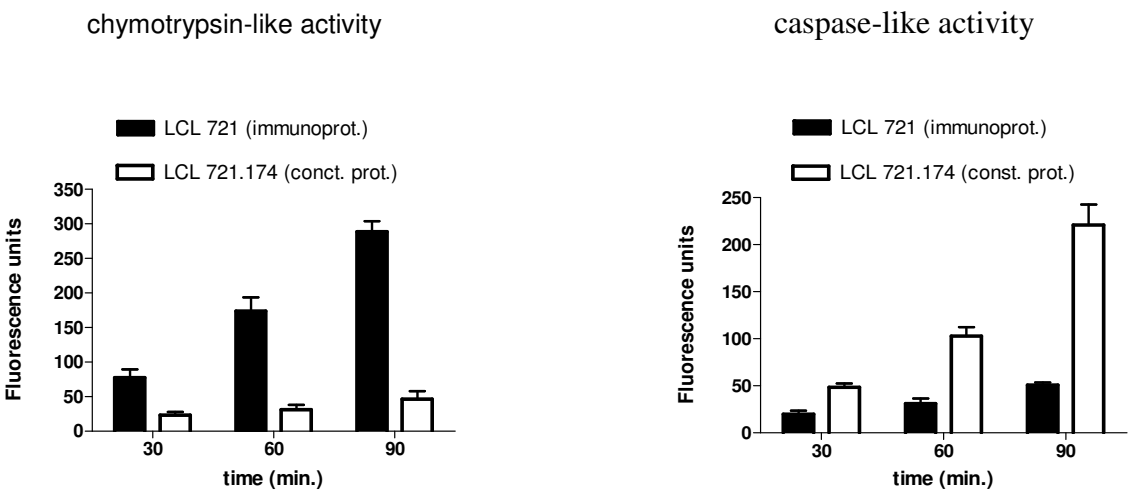
^{35}S-labeled in vitro transcripted and translated p105 protein. In lanes 1-5, 2µg, 1 µg, 0.5 µg, 0,1 µg and 0,01 µg protein was loaded, respectively.

Supplemental Figure 2



IκBα was in vitro transcribed with T7 RNA polymerase and translated in the presence of ^{35}S-methionine using the TNT system. Purified protein was loaded in lanes 1-3 (2 µg, 1 µg and 0,5 mg protein, respectively).

Supplemental Figure 3



20S Proteasomes isolated from LCL 721 cell line containing high amount of immunoproteasomes behave like 20S proteasomes purified from intestinal mucosa of patients with Crohn`s disease with high chyotrypsin-like activity and very little caspase-like activity, whereas 20S proteasomes derived from LCL 721.174 cells can be classified as pure constitutive proteasomes showing high caspase-like activity. Means ± s.e.m. of three independent experiments are shown.