$$r = f_R (1-a)$$
 = sector allocation fraction $\chi = f_Q (1-a)$ total protein concentration

Protein sector concentration

 $e = f_E (1 - a)$

$$kf_E(1-a) = \sigma \left[f_R - \frac{r_i}{1-a} \right] \frac{a}{a+a_{sat}}$$
 Balance between precursor synthesis and protein synthesis

$$V_{div} = rac{X_{div}}{f_{\it X}(1-a)}$$
 Size at division = X division threshold / X concentration