



Figure S3. AGcA generation of NZ B and old aged generation of macrophages⁺⁺ and intestinal tumor. Summary of V_H3609t (V8-12/D/J_H knock in) in MZ B cells with higher V_k19-17/J_k1. V8-12/V_k19-17 B cell is the AGcA (a natural anti-intestinal goblet cell autoantibody), and AGcA μ kTg (EP69 μ kTg) generate higher MZ B cells with V8-12/V_k19-17 (1). In this EP69 μ kTg mice, old aged 7% generated AGcA B cell tumor (mLN⁺, Liver⁺), and 56% by Macrophage⁺⁺ (CD11b⁺Gr-1⁺) higher in spleen with probably increased iron, with intestinal tumor generation as seen in small intestine (not high macrophage) and more in large intestine (colon). Also, a swollen lymph node increase with in neck.

1. Ichikawa, D., Asano, A., Shinton, S.A., Brill-Dashoff, J., Formica, A.M., Velcich, A., Hardy, R.R., and Hayakawa K. (2015). Natural anti-intestinal goblet cell autoantibody production from Marginal zone B cells. *J. Immunol.* 194:606.