

Supplemental Data

Human Neutrophil Fc γ Receptors Initiate and Play Specialized Nonredundant Roles in Antibody-Mediated Inflammatory Diseases

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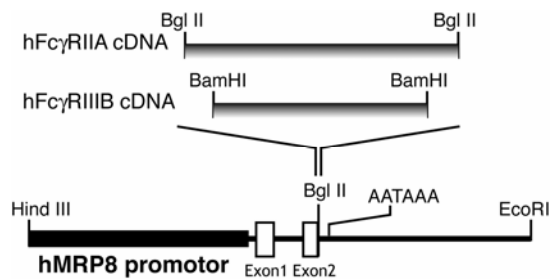


Figure S1. Transgenic Construct of Human Neutrophil Fc γ Rs

Transgenic constructs were generated by inserting human Fc γ RIIA or Fc γ RIIIB cDNA into the human MRP8 promoter cassette as shown.

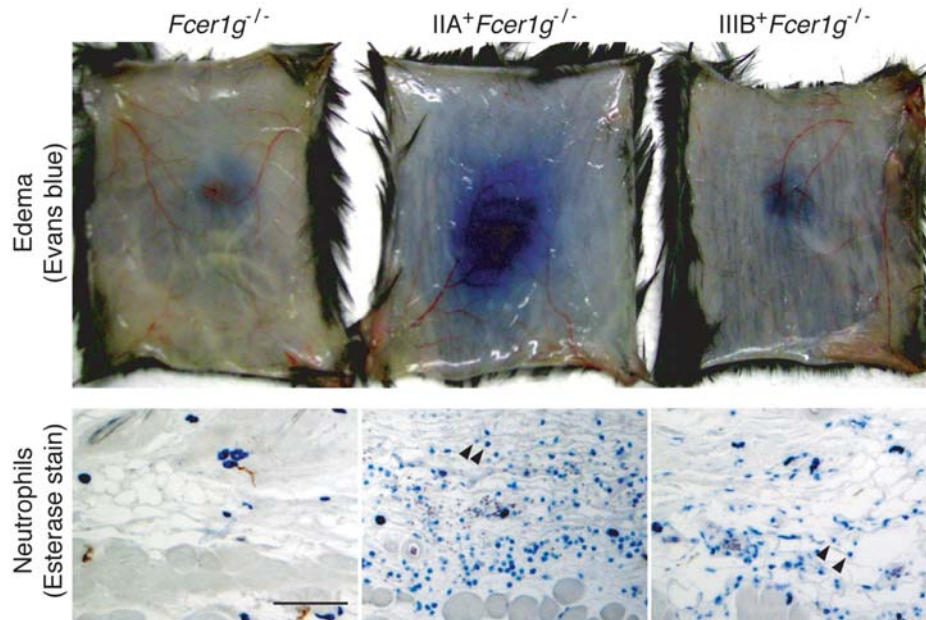


Figure S2. Reverse Passive Arthus Reaction in Human Fc γ R Transgenic Mouse

The Reverse Passive Arthus reaction was induced by the intradermal administration of anti-OVA antibody and the intravenous injection of OVA with (upper panels) or without (lower panels) Evans blue dye. Representative pictures of the dorsal skin harvested 4 hr after anti-OVA injection are shown. Evan's blue leakage, a measurement of edema, is prominent in $IIA^+Fcer1g^{-/-}$ but not $Fcer1g^{-/-}$ and $IIIB^+Fcer1g^{-/-}$ mice. Esterase-stained sections show accumulation of neutrophils (arrowheads) in the subcutaneous layers of transgenic mice while this was minimal in $Fcer1g^{-/-}$ animals. The scale bar represents 100 μ m.