

## This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Autoimmune disease</b>				
Autoimmune	IgG	<p><i>In vitro</i> and mouse studies suggest that IgG Fc fragments could be useful for treating arthritis and other autoimmune diseases. In a mouse model of serum-induced arthritis, a recombinant IgG Fc fragment significantly lowered footpad swelling compared with that seen in mice treated with Fc fragments pooled from human plasma (<math>p &lt; 0.05</math>). <i>In vitro</i> characterization revealed that the IgG Fc fragment's anti-inflammatory activity required a 2,6 sialic acid-galactose carbohydrate linkage. Next steps include producing GMP IgG Fc fragments.</p>	<p>Patent application filed for the recombinant IgG Fc fragments; exclusively licensed to Centaurus Pharmaceuticals Inc.; unavailable for licensing</p>	<p>Anthony, R. <i>et al. Science</i>; published online April 14, 2008; doi:10.1126/science.1154315  <b>Contact:</b> Jeffrey V. Ravetch, Rockefeller University, New York, N.Y.                      e-mail: <a href="mailto:ravetch@rockefeller.edu">ravetch@rockefeller.edu</a>  <b>Contact:</b> Robert Anthony, same affiliation as above                      e-mail: <a href="mailto:robert.anthony@rockefeller.edu">robert.anthony@rockefeller.edu</a></p>