This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Hematology				
Immunodeficiency	CD3e molecule- ϵ complex (CD3E)	CD3-TCR	Mouse studies suggest anti-CD3E mAbs could help treat Omenn syndrome, a form of severe combined immunodeficiency that is associated with mutations in recombination activating genes (RAGs). In newborn mice with a <i>Rag2</i> mutation, injection of an anti-CD3E mAb increased both the maturation and the expansion of immune-activating thymic cells compared with injection of saline. Next steps include evaluating whether mice pretreated with an anti-CD3E mAb prior to a bone marrow transplant show faster immune system reconstitution than untreated mice.	Patented; licensing status undisclosed
				Marrella, V. <i>et al. Blood</i> ; published online June 21, 2012; doi:10.1182/blood-2012-01-406827 Contact: Anna Villa, The National Research Council, Milan, Italy e-mail: anna.villa@humanitasresearch.it
				<i>SciBX</i> 5(28); doi:10.1038/scibx.2012.729 Published online July 19, 2012