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ACCEPTED MANUSCRIPT

Anti-Tumor Necrosis Factor with a Glyco-engineered Fc Region Has Increased Efficacy in Mice with Colitis

Felicia M. Bloemendaal^{1†}, Alon D. Levin^{1,2†}, Manon E. Wildenberg¹, Pim J. Koelink¹, Bradford L. McRae³, Jochen Salfeld³, Jenifer Lum⁴, Marijn van der Neut Kolfschoten⁵, Jill W. Claassens⁶, Remco Visser⁷, Arthur Bentlage⁷, Geert R.A.M. D'Haens², J. Sjef Verbeek⁶, Gestur Vidarsson⁷, Gijs R. van den Brink^{1,2,8}*

Short title: Hypo-fucosylated anti-TNF has superior therapeutic potential

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Abbreviations:

mAbs, monoclonal antibodies; FcγR, Fcγ-receptors; IBD, inflammatory bowel disease RA; rheumatoid arthritis; MLR, mixed lymphocyte reaction

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