

Autoimmune and Inflammatory Disease Models

- Autoimmune and inflammatory diseases
 - ✓ Animal disease model
 - ✓ *In vitro* and *ex vivo* methodologies
- Multiple sclerosis, inflammation of respiratory diseases, inflammatory bowel disease, arthritis and systemic lupus erythematosus

Covering more

Diving deeper



One-stop service

Integrated services to provide **end-to-end** solutions for pre-clinical packages, enabling evaluation of *in vitro* / *in vivo* correlation and PK/PD efficacy correlation



Talents and skills

Dedicated team with **10+** years experience in immunology and IND-enabling studies



Diverse disease types

40+ disease models covering a wide range of **indications** and **animal species** including **large animals and NHPS**, enabling a seamless translation into IND studies and beyond.



High-quality models

Stable disease models with excellent **reproducibility**, validated **by multiple end-points** and biomarkers to drive and accelerate the discovery and development of innovative drugs.

Well-Validated Disease Models in House

Autoimmune disease models



- Alopecia areata
- Atopic dermatitis (AD)
- Delayed type hypersensitivity
- Experimental autoimmune encephalomyelitis
- Experimental Sjögren's syndrome
- Rheumatoid arthritis
- Systemic lupus erythematosus
- Systemic sclerosis



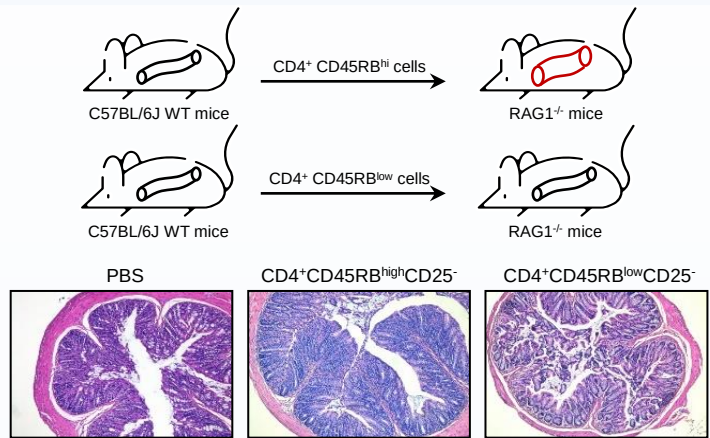
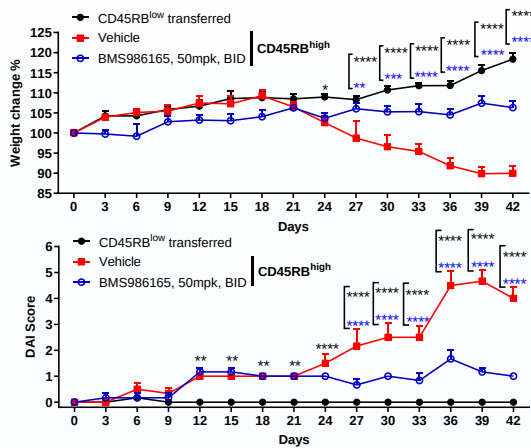
Inflammatory disease models



- Acute inflammation models
- Asthma
- Gout
- GvHD
- Inflammatory bowel diseases
- Pancreatitis
- Peritonitis
- Psoriasis
- Sepsis

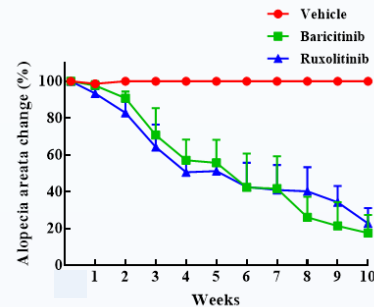
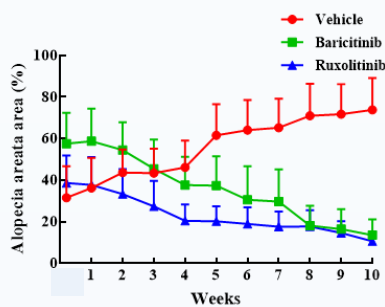


Case Study: T Cell Transfer-Induced Colitis Model in SCID or RAG1^{-/-} Mice



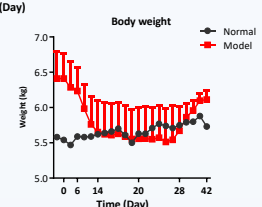
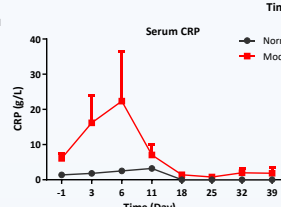
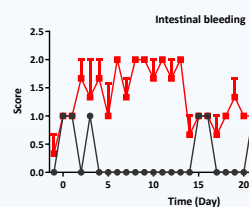
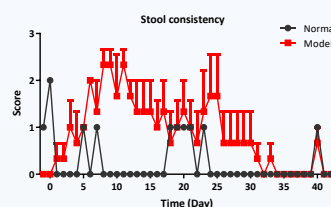
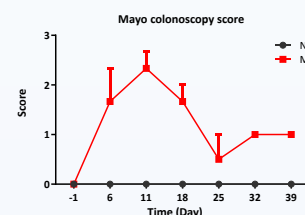
- **Left:** In-life assessment of T cell transfer-induced colitis in SCID mice.
- **Right:** Schematic diagram of T cell transfer-induced colitis in RAG1^{-/-} mice and representative images of H&E staining for colon tissue.

Case Study: Alopecia Areata Model



- In-life assessment of full-thickness skin grafts-induced alopecia areata in C3H/HeJ Mice.

Case Study: DSS-Induced Acute Ulcerative Colitis Model in NHPs



- **Top:** Representative colonoscopic images and Mayo colonoscopy scores at different time points.
- **Bottom:** Changes in stool consistency, intestinal bleeding, serum CRP, and body weight.



Contact Us

BD USA: mahnaz_arjomand@wuxiapptec.com
BD EU/UK/Israel: dave_madge@wuxiapptec.com

BD China: xu_longji@wuxiapptec.com
BD Japan: fumio_ito@wuxiapptec.com
BD Korea: sycho@wuxiapptec.com