

OVA induced Intestinal Anaphylaxis.

Mice are sensitized twice i.p., two weeks apart, with 50 µg of ovalbumin (OVA grade V; A-5503; Sigma-Aldrich, St.Louis, MO) in the presence of 1 mg of the aluminum potassium sulfate adjuvant (alum: $\text{ALK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$; A-7210; Sigma-Aldrich, Milwaukee, WI). Mice are deprived of food for 3 to 4 hours prior to each intragastric challenge. Three times a week, mice are held in the supine position and orally administered 10 or 50mg of soluble OVA dissolved in 250 µl of 0.9% sterile saline. Challenges are performed with intragastric feeding needles (22G - 1.5in - 1.25mm ball; 01-290-2B; Fisher Scientific Co, Pittsburg, PA). Diarrhea is assessed visually by closely monitoring mice for 1 hour following oral allergen challenge.