



禾开生物
—HKEYBIO—

EGE Animal Model

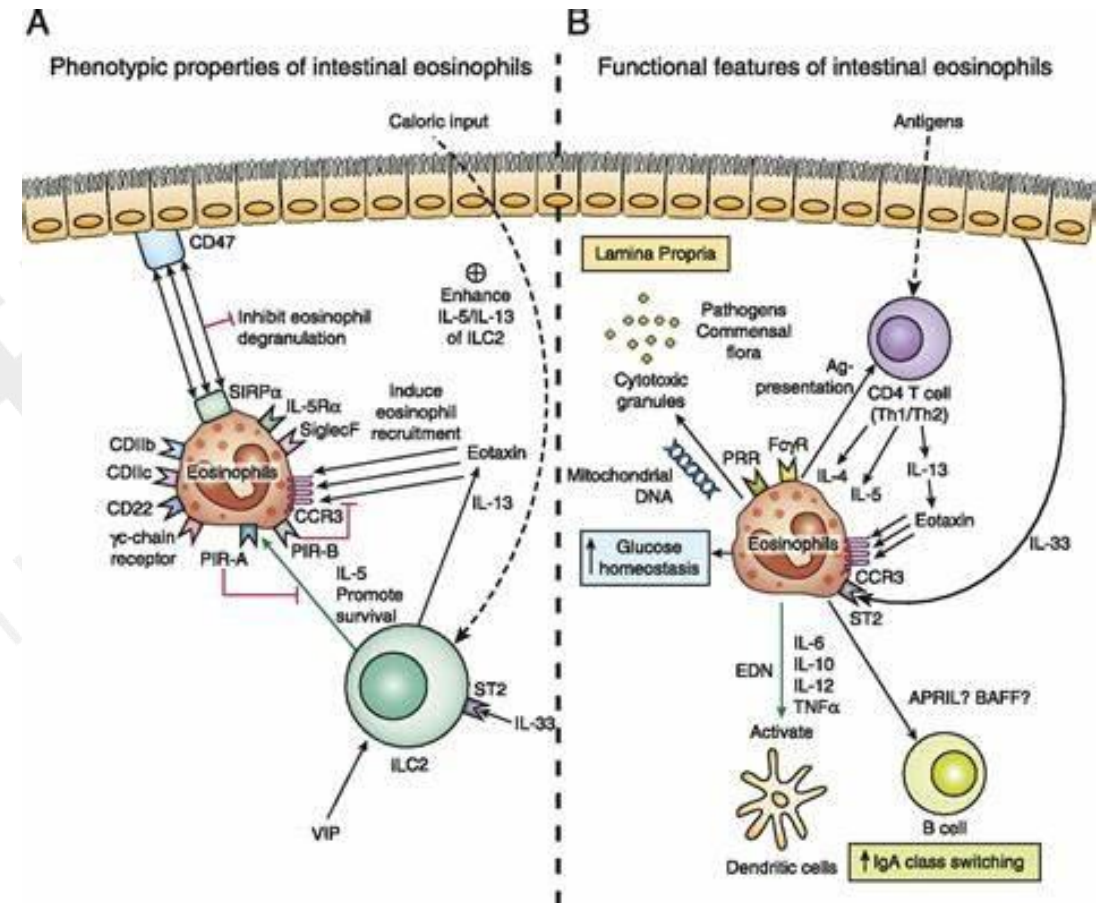
Eosinophilic gastroenteritis (EGE)

Symptoms and Causes

Eosinophilic gastroenteritis (EGE) is a digestive disorder in children and adults that is characterized by eosinophilic infiltration in the stomach and intestine. Symptoms and clinical presentations vary, depending on the site and layer of the gastrointestinal wall infiltrated by eosinophils. Laboratory results, radiological findings, and endoscopy can provide important diagnostic evidence for EGE. The underlying molecular mechanisms predisposing to this disease are unknown, but it seems that hypersensitivity response plays a major role in its pathogenesis, as many patients have a history of seasonal allergies, food sensitivities, asthma, and eczema.

Models in place:

■ OVA Induced BALB/c EGE Model



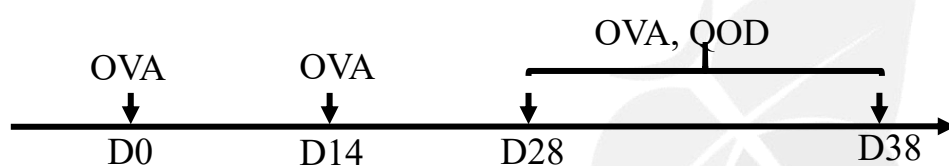
Brief Introduction of EGE

OVA Induced Murine EGE Model

■ Mechanism

The OVA-induced eosinophilic gastroenteritis (EGE) animal model is widely used to explore the immunologic mechanism involved in the pathogenesis of EGE. OVA challenge led to decreased body weight, obvious intestinal eosinophils infiltration, inflammatory cells infiltration and destruction of intestinal villi and crypts, lower levels of OVA specific IgG and IgE and upregulated inflammatory gene expression.

■ OVA Induced BALB/c EGE Model



Animal	BALB/c
Evaluation	Clinical: Body weight
	Cell: WBC, Neu, Eos
	Pathology: NA

OVA Induced BALB/c EGE Model

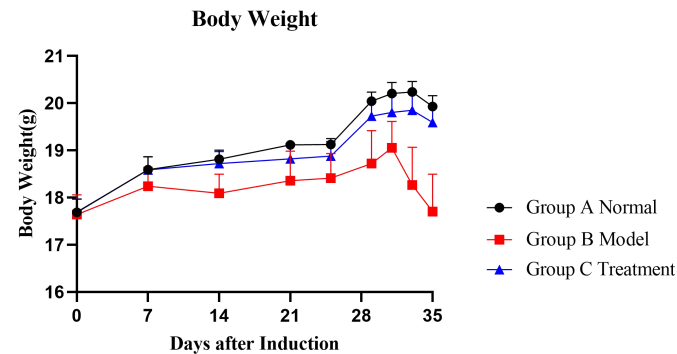


Fig 1 Body Weight

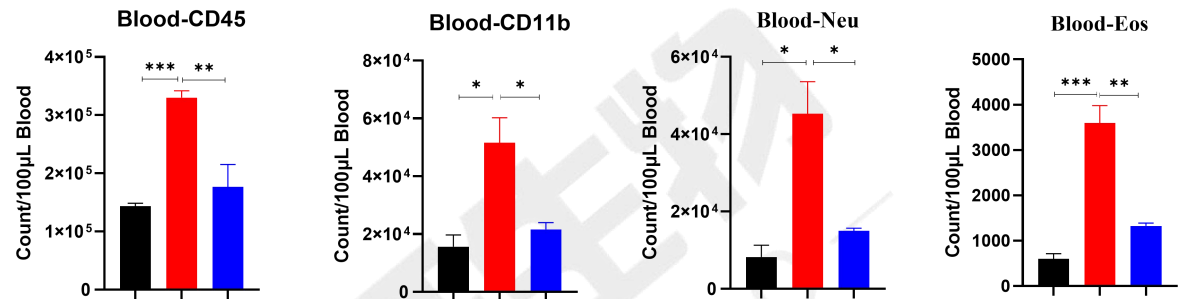


Fig 2 Cells levels in blood

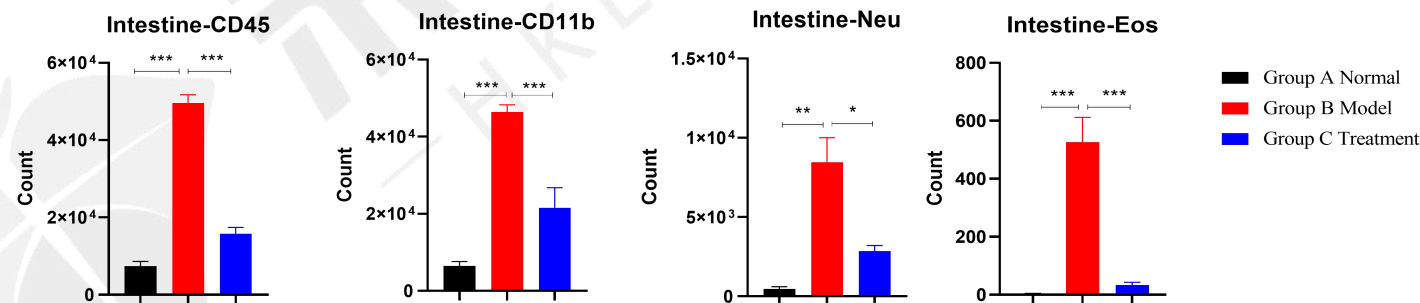


Fig 3 Cells levels in intestine



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实验基地

非人灵长类实验基地：广西
细胞分析检测实验基地：苏州
小动物实验基地：苏州



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