

# Anti-Mouse IL13 mlgG2a Antibody (BAK209B11)

## Product Information

**Product Name** Anti-Mouse IL13 mlgG2a Antibody (BAK209B11)  
**Storage temp.** Store at 2-8°C short term (1-2 weeks).Store at  $\leq -20^{\circ}\text{C}$  long term. Avoid repeated freeze-thaw.

**Catalog# / Size** **GM-88168MAB-1mg / 1 mg**  
**GM-88168MAB-5mg / 5 mg**  
**GM-88168MAB-25mg / 5 mg\*5 vials**  
**GM-88168MAB-50mg / 50 mg**  
**GM-88168MAB-100mg / 50 mg\*2 vials**

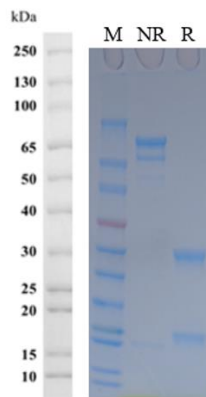
## Antibody Information

**Expression System** CHO  
**Aggregation** < 5% as determined by SEC-HPLC  
**Purity** > 95% as determined by SDS-PAGE  
**Clone** BAK209B11  
**Source/Isotype** Monoclonal Mouse IgG2a kappa  
**Application** Bioactivity-ELISA  
**Specificity** Detects IL13  
**Gene** IL13  
**Other Names** IL-13, P600  
**Gene ID** 10090 (mouse)  
**Background** IL-13 is a cytokine produced by Th2 cells, mast cells, eosinophil granulocyte, ilc2s, etc. . It mainly acts on epithelial tissues such as the airway, skin and intestine, and participates in the regulation of mucosal barrier, mucus secretion, inflammatory cell recruitment and excessive airway remodeling. Sharing a signaling pathway with IL-4(via the IL-4R  $\alpha$ /IL-13R  $\alpha 1$  complex) , plays a critical role in scenarios such as immune responses, allergies, and parasitic infections. The IL-13 gene is located in a region of a Upstream and downstream shared element, and its expression is regulated by transcription factors such as GATA3 and STAT6 in response to Th2 deflection signals. IL-13 signaling can be modulated by receptor availability, soluble baits, and genetic variants that affect receptor binding or expression. IL-13 activates signaling pathways such as JAK-STAT (especially Stat6) by binding to the complex of receptor IL-4R  $\alpha$  with IL-13R  $\alpha 1/2$ , resulting in altered gene expression and amplification of inflammatory responses.  
**Formulation** Phosphate-buffered solution, pH 7.2-7.4.  
**Endotoxin** < 1 EU/mg, determined by LAL gel clotting assay

Version:3.1

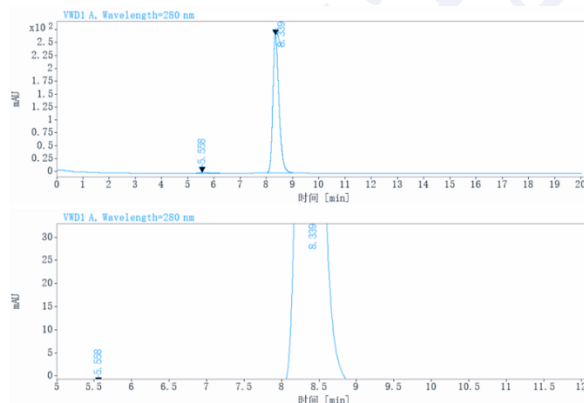
## Data Examples

### SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The purity of the protein is greater than 95%.

### SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC.

### Bioactivity-ELISA

Mouse IL-13 Protein; His Tag (Catalog # GM-88166RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-Mouse IL13 mIgG2a Antibody (BAK209B11) (Catalog # GM-88168MAB) were added.

#### Bioactivity-ELISA

0.2 µg Mouse IL-13 Protein; His Tag of per well

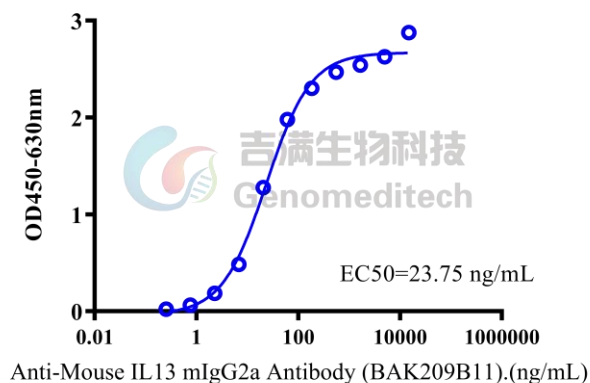


Fig. Assay

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