

## Anti-FcεRI hIgG1 Antibody (1E7)

### Product information

GM-88159AB-10	10 µg
GM-88159AB-100	100 µg
GM-88159AB-1000	1 mg

### Antibody Information

Species Reactivity	Human
Clone	1E7
Source/Isotype	Monoclonal Human IgG1 κ
Application	Bioactivity-ELISA
Target	Detects FcεRI
Gene	FcεRI
Other Names	FCE1A, FCERIA, FcERI
Gene ID	2205 (Human)
Background	<p>FcεRI (high-affinity IgE receptor) is expressed on the surfaces of mast cells, eosinophils, platelets, and other immune cells, and serves as a key receptor in classical allergic reactions. The receptor is conventionally composed of α, β, and γ subunits, with the α subunit responsible for high-affinity IgE binding, and the β/γ subunits participating in signal transduction. Expression is predominantly observed in mast cells and mast cell-like cells, basophils, and a subset of dendritic cells, among others. Transcriptional regulation of FcεRI involves multiple transcription factors, including the GATA family, PU.1, and C/EBP, as well as epigenetic factors. Environmental stimuli such as infections, inflammatory cues, and certain IgE-related stimuli can modulate the expression levels of FcεRI subunits.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

## Data Examples

### Bioactivity-ELISA

Human FCER1A Protein; His Tag (Catalog # GM-88156RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-FcεRI hIgG1 Antibody (1E7) (Catalog # GM-88159AB) were added.

#### Bioactivity-ELISA

0.2 µg Human FCER1A Protein; His Tag of per well

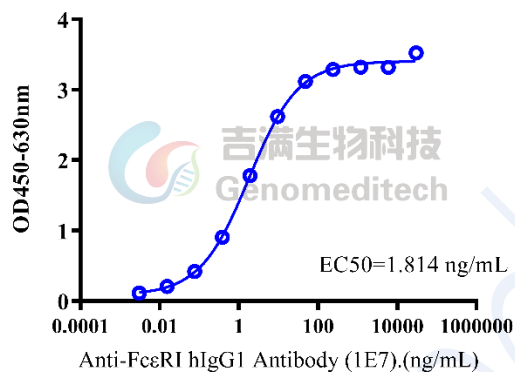


Fig. Assay