

## Anti-H\_GUCY2C hIgG1 Antibody(Indusatumab)

### 产品信息

GM-28860AB-10	10 µg
GM-28860AB-100	100 µg
GM-28860AB-1000	1 mg

### 抗体信息

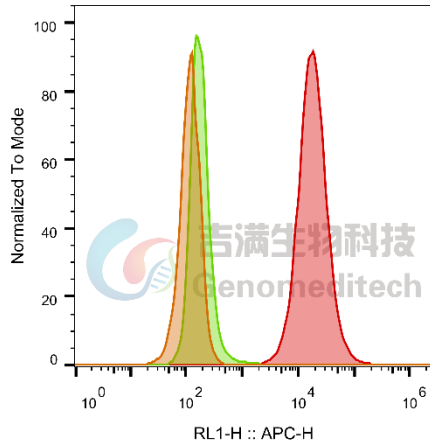
Species Reactivity	Human
Clone	Indusatumab
Source/Isotype	Monoclonal human IgG1, κ
Application	Flow Cytometry
Specificity	Detects GUCY2C.
Gene	GUCY2C
Other Names	DIAR6, GC-C, GUC2C, MECIL, MUCIL, STAR
Gene ID	2984(human)
Background	<p>Guanylate cyclase 2C, also known as guanylyl cyclase C (GC-C), intestinal guanylate cyclase, guanylate cyclase-C receptor, or the heat-stable enterotoxin receptor (hSTAR) is an enzyme that in humans is encoded by the GUCY2C gene. Guanylyl cyclase is an enzyme found in the luminal aspect of intestinal epithelium and dopamine neurons in the brain. The receptor has an extracellular ligand-binding domain, a single transmembrane region, a region with sequence similar to that of protein kinases, and a C-terminal guanylate cyclase domain. Tyrosine kinase activity mediates the GC-C signaling pathway within the cell. GUCY2C is a key receptor for heat-stable enterotoxins that are responsible for acute secretory diarrhea. Heat-stable enterotoxins are produced by pathogens such as Escherichia coli. Knockout mice deficient in the GUCY2C gene do not show secretory diarrhea on infection with E. coli, though they do with cholera toxin. This demonstrates the specificity of the GUCY2C receptor.</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.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.2 Revision Date:03/25/2024

## Data Examples

Flow cytometry

H\_GUCY2C CHO-K1 Cell Line (Catalog # GM-C19042) was stained with Anti-H\_GUCY2C hIgG1 Antibody (Catalog # GM-28860AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_GUCY2C+APC-2nd Ab	117
CHO-K1 H_GUCY2C H_igG+APC-2nd Ab	183
CHO-K1 H_GUCY2C anti-H_GUCY2C+APC-2nd Ab	17923

Fig. FACS