

Anti-CLEC7A hIgG4 Antibody(15E2.5)

Product Information

GM-52421AB-10	10 µg
GM-52421AB-100	100 µg
GM-52421AB-1000	1 mg

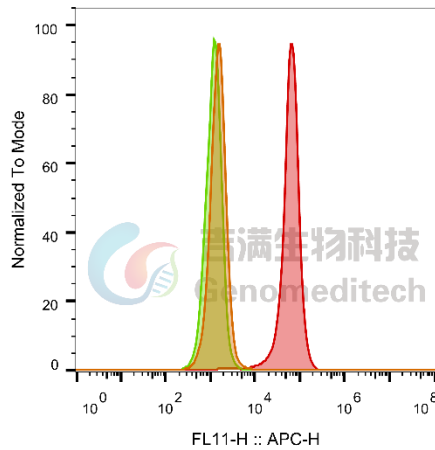
Antibody Information

Species Reactivity	Human
Clone	15E2.5
Source/Isotype	Monoclonal human IgG4/k
Application	Flow cytometry
Specificity	Detects CLEC7A
Gene	CLEC7A
Other Names	BGR, CANDF4, CD369, CLECSF12, DECTIN1, SCARE2
Gene ID	64581 (human)
Background	CLEC7A, also known as Dectin-1 (C-type lectin domain family 7 member A), is a gene located in the human chromosome 12q13.3 region that encodes a C-type lectin-like receptor. The CLEC7A antibody is widely utilized across various research fields, including immunohistochemistry to detect the expression and distribution of Dectin-1 in different tissues, immunofluorescence staining to visualize the localization and expression changes of Dectin-1 within cells, flow cytometry to quantify the surface expression levels of Dectin-1 and reveal variations among different cell types or under different stimulation conditions, and immunoprecipitation to analyze the interactions and signaling pathways involving Dectin-1. These applications significantly contribute to a deeper understanding of Dectin-1's role in immune responses.
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

Data Examples

Flow cytometry

H_Dectin-1b HEK-293 Cell Line (Catalog # GM-C40324) was stained with Anti-CLEC7A hlgG4 Antibody(15E2.5) (Catalog # GM-52421AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

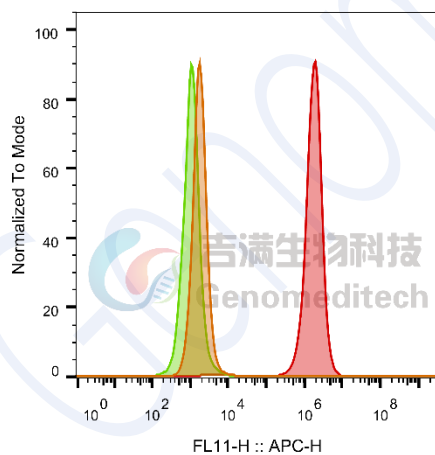


SampleID	Geometric Mean : FL11-H
HEK-293 anti-CLEC7A+APC-2nd Ab	1533
HEK-293 H_Dectin-1b H_IgG+APC-2nd Ab	1204
HEK-293 H_Dectin-1b anti-CLEC7A+APC-2nd Ab	59939

Fig. FACS

Flow cytometry

H_Dectin-1a HEK-293 Cell Line (Catalog # GM-C40322) was stained with Anti-CLEC7A hlgG4 Antibody(15E2.5) (Catalog # GM-52421AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-CLEC7A+APC-2nd Ab	1814
HEK-293 H_Dectin-1a H_IgG+APC-2nd Ab	1088
HEK-293 H_Dectin-1a anti-CLEC7A+APC-2nd Ab	1.56E6

Fig. FACS