

# Anti-c-Kit(CD117) hIgG1 Reference Antibody(barbio)

## Product Information

<b>Product Name</b>	Anti-c-Kit(CD117) hIgG1 Reference Antibody(barbio)
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-87809MAB-1mg / 1 mg</b> <b>GM-87809MAB-5mg / 5 mg</b> <b>GM-87809MAB-25mg / 25 mg</b> <b>GM-87809MAB-50mg / 50 mg</b> <b>GM-87809MAB-100mg / 100 mg</b>

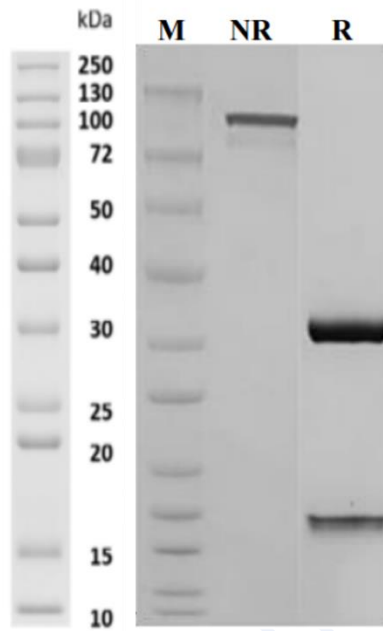
## Antibody Information

<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/mg, determined by LAL gel clotting assay
<b>Sterility</b>	0.2 μm Filtered
<b>Target</b>	c-Kit(CD117)
<b>Clone</b>	barzolvolimab
<b>Alternative Names</b>	C-Kit, CD117, MASTC, PBT, SCFR
<b>Source/Isotype</b>	Monoclonal Human IgG1(L234A/L235Q/M252Y/S254T /T256E), Kappa
<b>Application</b>	Flow Cytometry
<b>Description</b>	c-Kit, also known as CD117, is an important cell surface protein expressed in stem cells and various types of mature cells in humans and other animals. Encoded by the c-Kit gene, the c-Kit protein plays a role in cell proliferation, differentiation, and survival by binding with the cytokine SCF (stem cell factor). Mutations and abnormal expressions of the c-Kit gene have been associated with various diseases including tumors, cardiovascular diseases, and immune system disorders. Research on the c-Kit gene can aid scientists in better understanding its functions in cell biology and pathophysiology, offering new insights for diagnosis and treatment of related diseases.
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2.

Version:1.1 Revision Date:03/07/2024

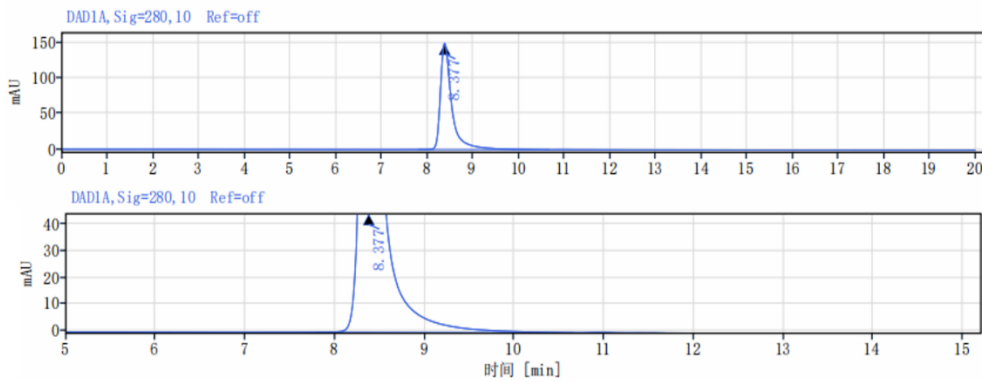
## Data Examples

### SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

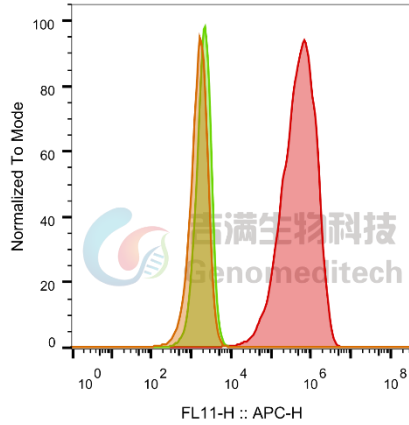
### SEC-HPLC



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

Flow cytometry

H\_c-Kit(CD117) GNNK(+) CHO-K1 Cell Line (Catalog # GM-C36717) was stained with Anti-c-Kit(CD117) hlgG1 Reference Antibody(barbio) (Catalog # GM-87809MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

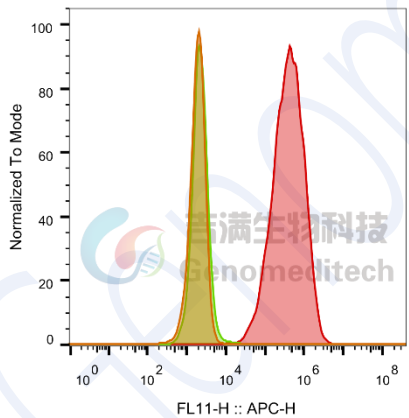


SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CD117+APC-2nd Ab	1552
CHO-K1 H_c-Kit(CD117) GNNK(+) H_IgG+APC-2nd Ab	2038
CHO-K1 H_c-Kit(CD117) GNNK(+) anti-CD117+APC-2nd Ab	4.79E5

Fig. FACS

Flow cytometry

Cynomolgus\_c-Kit(CD117) GNNK(-) CHO-K1 Cell Line (Catalog # GM-C36581) was stained with Anti-c-Kit(CD117) hlgG1 Reference Antibody(barbio) (Catalog # GM-87809MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-CD117+APC-2nd Ab	1887
CHO-K1 Cyno_c-Kit(CD117) GNNK(-) H_IgG+APC-2nd Ab	2220
CHO-K1 Cyno_c-Kit(CD117) GNNK(-) anti-CD117+APC-2nd Ab	380575

Fig. FACS

Flow cytometry

H\_c-Kit(CD117) GNNK(-) CHO-K1 Cell Line (Catalog # GM-C36580) was stained with Anti-c-Kit(CD117) hlgG1 Reference Antibody(barbio) (Catalog # GM-87809MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

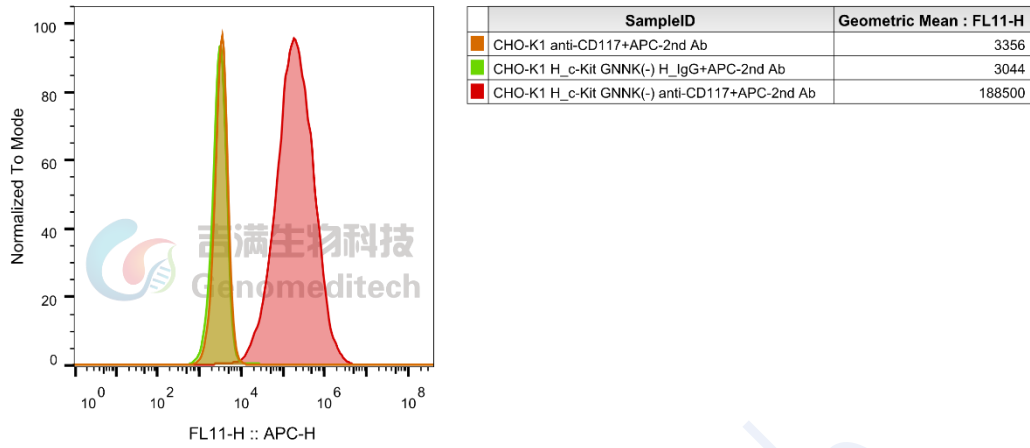


Fig. FACS

Flow cytometry

H\_c-Kit(CD117) GNNK(-) HEK-293 Cell Line (Catalog # GM-C36579) was stained with Anti-c-Kit(CD117) hlgG1 Reference Antibody(barbio) (Catalog # GM-87809MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

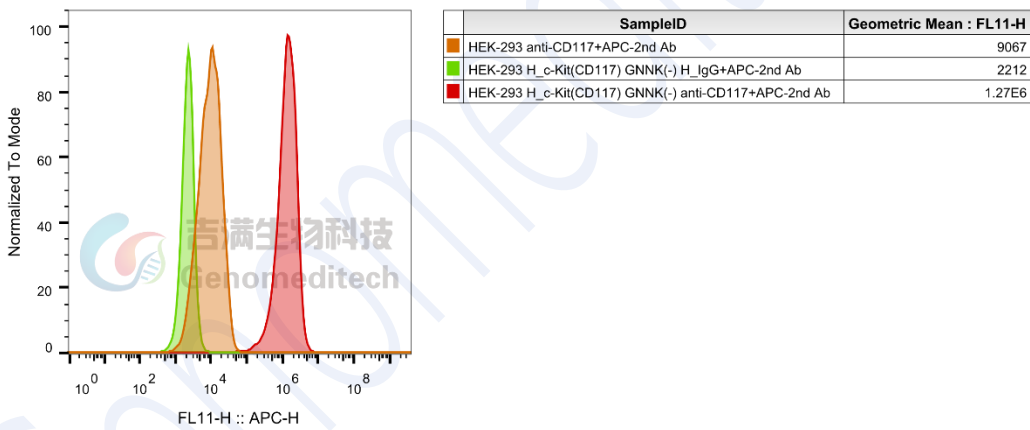


Fig. FACS