Anti-mouse/human GL7 Antigen (T and B cell Activation Marker) Antibody (Clone: GL7, Human IgG1 Fc Silent Kappa) | PA007624.h1Fs

Catalog No.: PA007624.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / IHC Grade**

Recombinant anti-mouse/human GL7 Antigen (T and B cell Activation Marker) monoclonal antibody (Clone GL7), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry and immunohistochemistry studies. Variable regions are derived from the classic rat anti-mouse/human GL7 clone GL7 and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007624.h1Fs
Product Name	Recombinant Anti-mouse/human GL7 Antigen (T and B cell Activation Marker) Monoclonal Antibody (Clone: GL7), Human IgG1 Fc Silent Kappa
Synonyms	Ly77, T and B cell activation marker, GL7
Clone & Isotype	GL7 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse/Human GL7 Antigen. The recombinant antibody (clone: GL7) specifically binds to mouse/human GL7 Antigen (T and B cell Activation Marker).
Source / Host	The anti-mouse/human GL7 Antigen (T and B cell Activation Marker) monoclonal antibody (clone: GL7) was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions and HPLC.
Shipping	The recombinant anti-mouse/human GL7 Antigen (T and B cell Activation Marker) monoclonal antibody of clone GL7 is shipped with ice pack. Upon receipt, store it immediately at the recommended temperature.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Biological Description & Background

Recombinant human IgG1 Fc silent kappa Monoclonal Antibody.

GL7 antigen (Ly77) is a 35 kDa cell surface glycoprotein upregulated on activated T and B lymphocytes. In humoral immune responses, GL7 expression serves as a defining marker for germinal center (GC) B cells, making it an essential reagent for investigating germinal center reaction dynamics, somatic hypermutation, class-switch recombination, and lymphocyte activation following immunization or infection.

Monoclonal antibody GL7 specifically recognizes mouse and human GL7 antigen. Engineered with a Human IgG1 Fc Silent domain, this antibody eliminates ADCC/CDC effector functions and prevents non-specific Fc receptor binding, providing an optimal Fc-silent reagent for high-purity flow cytometry and immunohistochemistry staining of germinal center B cells and activated T cells.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-human-gl7-antigen-t-and-b-cell-activation-marker-antibody-pa007624-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com