Anti-mouse CD19 Antibody (Clone: 1D3) | PA007363.r2a

Catalog No.: PA007363.r2a | **Isotype:** Rat IgG2a Kappa | **In vivo Grade**

Recombinant rat IgG2a isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

Product Specifications

Catalog No.	PA007363.r2a
Product Name	In vivo Grade Recombinant Anti-mouse CD19 Monoclonal Antibody (Clone: 1D3), Rat IgG2a Kappa
Clone & Isotype	1D3 | Rat IgG2a Kappa
Synonyms	B-lymphocyte antigen CD19, Cluster of Differentiation 19, B-Lymphocyte Surface Antigen B4, T-Cell Surface Antigen Leu-12, CVID3
Applications	ELISA, flow cytometry, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse CD19 protein.
Immunogen	The anti-mouse CD19 monoclonal antibody (clone: 1D3) was produced in mammalian cells.
Purity & Endotoxin	**>95%** by SDS-PAGE under reducing conditions and HPLC | **< 1 EU per 1 mg** of the protein by the LAL method.
Formulation	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives.
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 & Research Applications

The 1D3 antibody binds to the mouse CD19 protein, a transmembrane protein expressed in all B lineage cells including mouse plasma cells. CD19 plays two major roles in mouse B cells: it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane, and works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. CD19 is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

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-cd19-monoclonal-antibody-clone-1d3-pa007363-r2a/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com