Anti-mouse CD3e Antibody for Flow Cytometry (Clone: 145-2C11, Human IgG1 Fc Silent Kappa) | PA007238.h1Fs

Catalog No.: PA007238.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse CD3e monoclonal antibody (Clone 145-2C11), 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 Armenian hamster anti-mouse CD3e clone 145-2C11 and recombinantly expressed in mammalian cells. Recombinant Human IgG1 isotype controls are available. For human T cell research, Syd Labs OKT3 antibodies are also available.

Product Specifications

Catalog No.	PA007238.h1Fs
Product Name	Recombinant Anti-mouse CD3e Monoclonal Antibody (Clone: 145-2C11), Human IgG1 Fc Silent Kappa
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Clone & Isotype	145-2C11 | Human IgG1 Fc Silent Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse CD3e. The recombinant 145-2C11 antibody for Flow Cytometry specifically binds to the mouse T cell receptor CD3e.
Source / Host	The recombinant anti-mouse CD3e monoclonal antibody (clone: 145-2C11) for Flow Cytometry 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 CD3e Monoclonal Antibody (Clone: 145-2C11) for Flow Cytometry, Human IgG1 Fc Silent Kappa is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it.

Biological Description & Background

PA007238.h1Fs: Recombinant Anti-mouse CD3e Monoclonal Antibody (Clone: 145-2C11) for Flow Cytometry, Human IgG1 Fc Silent Kappa.

Recombinant Human IgG1 Monoclonal Antibody with Fc silent mutation.

The 145-2C11 antibody binds to CD3 epsilon of the T cell receptor-CD3 complex found only on mature T cells and medullary thymocytes.

Engineered with a Human IgG1 Fc Silent domain, clone 145-2C11 eliminates ADCC/CDC effector functions and prevents non-specific Fc receptor binding, providing an optimal Fc-silent reagent for high-precision flow cytometry, immunohistochemistry, and T cell receptor studies. For human T cell research, Syd Labs OKT3 antibodies are also available.

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-cd3e-monoclonal-antibody-pa007238-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com