PA007417.m2a: Non-conjugated Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6) for Flow Cytometry, Mouse IgG2a Kappa, In vivo Grade

Catalog No.: PA007417.m2a | **Product Name:** Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6), Mouse IgG2a Kappa

Recombinant mouse IgG2a isotype controls and Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

Catalog No.	PA007417.m2a
Product Name	Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6), Mouse IgG2a Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Clone	12F6.
Isotype	Mouse IgG2a kappa.
Source/Host	The anti-human CD3e monoclonal antibody (clone: 12F6) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant 12F6 antibody for Flow Cytometry specifically binds to human CD3e.
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Form Of Antibody	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The Recombinant Anti-human CD3e Monoclonal Antibody (Clone: 12F6) for Flow Cytometry, Mouse IgG2a 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.

REFERENCES & BACKGROUND

The 12F6 antibody competes with the OKT3 antibody for binding to human T cells, and has more effective T-cell suppression and activation properties than OKT3. The 12F6 antibody is used to study T-cell functions and to manipulate T-cell activation and suppression, prevent acute allograft rejection, and treat autoimmune diabetes.