

# Fluorescein Amidite (FAM) Monoclonal Antibodies: Validation and Performance

## FAM Antibody Overview

ExonBio's FAM monoclonal antibodies offer top-tier performance in immunoassays, providing high specificity and sensitivity for precise target detection with minimal background noise. Ideal for ELISAs, Western blots, and immunofluorescence assays, these antibodies deliver bright, stable fluorescence for clear visualization. Ready-to-use and highly stable, they streamline workflows and ensure reliable results. Enhance your research with ExonBio's superior FAM monoclonal antibodies.

## Potency in Action: EC50 Data

The EC50 data, signifying the concentration at which an antibody attains 50% maximum binding, holds significant importance within immunoassays. This measure provides a direct glimpse into the antibody's strength, sensitivity, and binding affinity—key factors for optimizing assays. With our antibody displaying a lower EC50 value, denoting elevated sensitivity and affinity, it exhibited robust binding efficacy even at a minimal concentration. This data aids in refining assay conditions, ensuring precise detection even in scenarios involving low-concentration analytes. By steering the choice of optimal antibody concentration and enhancing sensitivity, the EC50 data bolsters the accuracy and efficiency of our immunoassay, reinforcing its trustworthiness in practical applications.

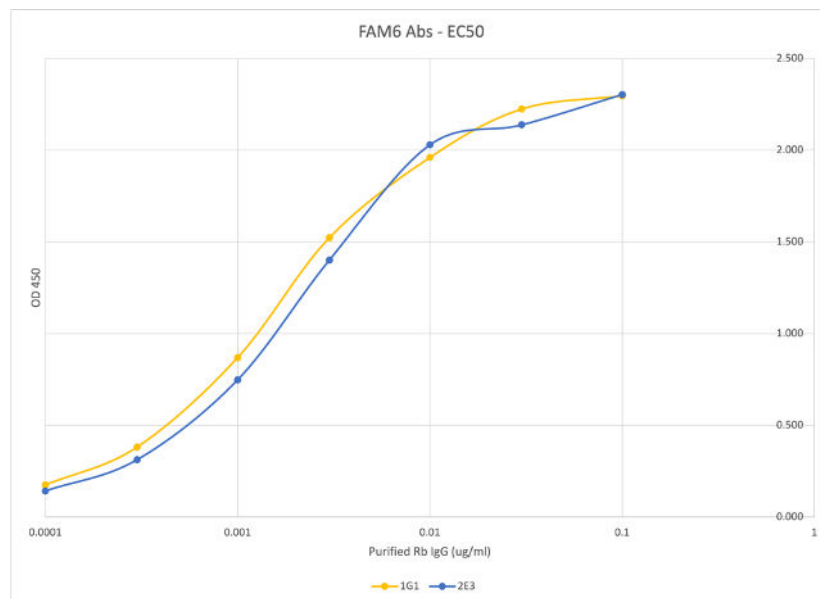


Figure A: EC50 assay of DIG rabbit monoclonal antibodies. FAM was coated at 2 ug/ml. HRP conjugated goat anti-rabbit IgG antibody used for detection at 1:10,000. Data was modeled and analyzed with GraphPad-Prism.

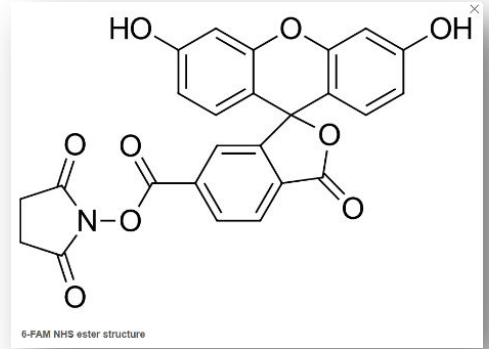
## Rigorous Quality Control ISO 17025:2017

We make sure our IVD grade antibodies meet the highest standards, and our ISO-controlled production process plays a key role. At every step, from making the antibodies to purifying them, we rigorously test to ensure they are consistent, reliable, and perform well. Following ISO standards means we have set procedures in place that help us maintain consistent quality, making sure every batch is just as good as the last. Our commitment to this process shows how dedicated we are to providing you with antibodies you can trust for your immunoassay need.

# ExonBio's FAM Antibodies for Immunoassays

## Precision and Excellence in Immunoassay Detection

ExonBio is proud to introduce our line of FAM antibodies, designed to deliver exceptional performance in your immunoassays. Our FAM-labeled antibodies are engineered to provide high specificity, sensitivity, and versatility, making them an invaluable tool for researchers and diagnosticians.



## Why Choose ExonBio's FAM Antibodies?

### 1. Unmatched Specificity and Sensitivity

- **High Affinity:** Our FAM antibodies exhibit strong binding affinity, ensuring precise detection of target molecules.
- **Low Background Noise:** Engineered to minimize non-specific binding, our antibodies reduce background noise, delivering clearer results.

### 2. Versatile Applications

- **Wide Range of Uses:** Suitable for various immunoassays, including ELISAs, Western blots, and immunofluorescence assays.
- **Multiple Detection Methods:** Compatible with fluorescence detection systems, our FAM antibodies offer flexibility in experimental design.

### 3. Ease of Use

- **Ready-to-Use:** Our antibodies come ready-to-use, simplifying your workflow and saving valuable time.
- **Stable and Reliable:** Designed for stability, our FAM antibodies ensure consistent performance across different experimental conditions.

### 4. Enhanced Visual Detection

- **Bright Fluorescence:** FAM (Fluorescein Amidite) provides bright, stable fluorescence, facilitating easy and accurate visualization of results.
- **Compatibility:** Compatible with standard fluorescence microscopy and flow cytometry, our FAM antibodies integrate seamlessly into existing lab setups.

## Experience the ExonBio Advantage

ExonBio is committed to advancing scientific research through innovative solutions. Our FAM antibodies are a testament to our dedication to quality and excellence. Whether you're conducting basic research or developing diagnostic tests, ExonBio's FAM antibodies are designed to meet your needs with precision and reliability.

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