

Rev04
Update: Oct,19,2022

DATASHEET

MonoRab™ FITC Antibody (25H7), mAb, Rabbit

Cat. No.: A01953

Overview

Specificity	GenScript MonoRab™ Fluorescein isothiocyanate Antibody (25H7), mAb, Rabbit is developed using Fluorescein isothiocyanate-KLH as immunogen which is specific to Fluorescein isothiocyanate. Fluorescein isothiocyanate antibody reacts with both free and conjugated fluorescein isothiocyanate.
Host Species	Rabbit
Immunogen	Fluorescein isothiocyanate coupled to KLH
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

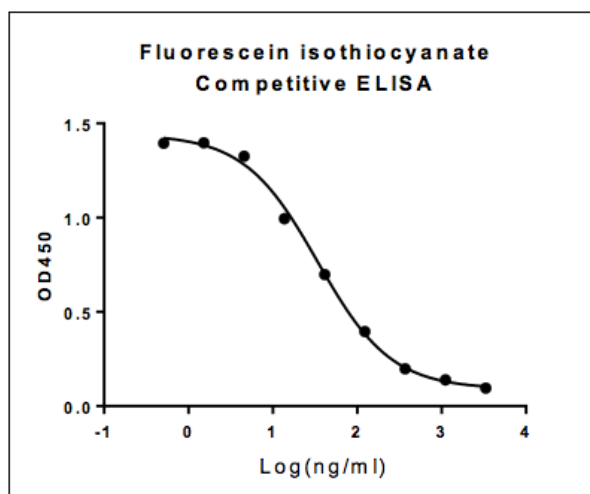
Application	Recommended Usage
ELISA	0.01-0.1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, contains 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles.
Purification	Protein A affinity column

Isotype	Rabbit IgG
Clonality	Monoclonal
Clone ID	25H7
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



ELISA binding of GenScript MonoRab™ Fluorescein isothiocyanate Antibody (25H7), mAb, Rabbit (GenScript, A01953-40) with fluorescein isothiocyanate.

Coating antigen: Fluorescein isothiocyanate-BSA, 1 µg/ml.

Competitive small molecule: Fluorescein isothiocyanate dilution start from 10 µg/ml.

Fluorescein isothiocyanate antibody (GenScript, A01953-40) dilution is 0.1 µg/ml.

IC₅₀= 38.82 ng/ml.

Background

Target Background : Fluorescein isothiocyanate (FITC) is a derivative of fluorescein used in wide-ranging applications including flow cytometry. FITC is the original fluorescein molecule functionalized with an isothiocyanate reactive group (-N=C=S), replacing a hydrogen atom on the bottom ring of the structure. This derivative is reactive towards nucleophiles including amine and sulfhydryl groups on proteins.

Synonyms : Rabbit monoclonal to Fluorescein isothiocyanate/Fluorescein

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.