

## Datasheet for 600-400-466

## KLH Antibody Rhodamine Conjugated

### Overview

<b>Description:</b>	Anti-KLH (RABBIT) Antibody Rhodamine Conjugated - 600-400-466
<b>Item No.:</b>	600-400-466
<b>Size:</b>	100 µL
<b>Reactivity:</b>	KLH
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	Anti-KLH antibody allows for the detection of KLH, important for monitoring immune Response, infection and inflammation. Keyhole limpet hemocyanin (KLH) is a large metal-containing protein consisting of 400 kDa subunits that is frequently used carrier protein in immunization procedures. KLH is most typically conjugated to a small molecule, peptide, or protein thereby rendering the complex highly immunogenic. KLH has been used as a carrier for vaccines and antigens and as adjuvant treatment in regimens such as antimicrobial therapy. This Anti-KLH antibody has been conjugated to rhodamine.
<b>Synonyms:</b>	rabbit Anti-KLH antibody Rhodamine conjugation, TRITC conjugated rabbit Anti-KLH antibody, Keyhole Limpet Hemocyanin
<b>Host Species:</b>	Rabbit
<b>Conjugate:</b>	Rhodamine (TRITC)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG
<b>F/P Ratio:</b>	2.8

### Target Details

<b>Reactivity:</b>	KLH
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	KLH (Keyhole Limpet Hemocyanin)

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using KLH coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum and KLH.

## Application Details

**Application Note:** This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**FLISA:** User Optimized

**IF:** 1:500 - 1:2,500

**WB:** User Optimized

## Formulation

**Physical State:** Lyophilized

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Preservative:** 0.01% (w/v) Sodium Azide

**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

**Reconstitution Volume:** 100  $\mu$ L

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western Blot of Rabbit anti-KLH (Keyhole Limpet Hemocyanine) antibody. Lane 1: molecular weight. Lane 2: reduced KLH. Load: 1  $\mu$ g. Primary antibody: KLH antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP Goat-anti Rabbit secondary antibody at 1:40,000 for 45 min at RT. Block: 1% BSA-TBS overnight at 4°C. Predicted/Observed size: 350-390 kDa, 350-390 kDa for KLH. Other band(s): none.

## Disclaimer

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