

Datasheet for ABIN101567

Rabbit anti-Human IgG (Heavy & Light Chain) Antibody (Texas Red (TR)) - Preadsorbed[Go to Product page](#)**2** Publications

Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Texas Red (TR)
Application:	Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Human IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	2.0

Target Details

Target:	IgG
Abstract:	IgG Products

Target Details

Target Type:	Antibody
Background:	<p>Synonyms: Rabbit Anti Human IgG Texas Red™ Conjugated Antibody, Rabbit Anti-Human IgG Antibody Texas Red™ Conjugation</p> <p>Background: Anti-Human IgG (H&L) Texas Red generated in rabbit detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. It is a protein complex composed of four peptide chains - two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.</p>

Application Details

Application Notes:	<p>Application Note: Anti-Human IgG (H&L) Texas Red 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.</p> <p>FLISA Dilution: 1:10,000 - 1:50,000</p> <p>Flow Cytometry Dilution: 1:500 - 1:2,500</p> <p>IF Microscopy Dilution: 1:1,000 - 1:5,000</p>
Comment:	Texas Red™ is a registered trademark of Molecular Probes Inc.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 1.0 mL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	2.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Product is photosensitive and should be protected from light.
Storage:	RT,4 °C,-20 °C
Expiry Date:	12 months

Publications

Product cited in:	<p>Zschüntzsch, Zhang, Klinker, Makosch, Klinge, Malzahn, Brinkmeier, Liebetanz, Schmidt: "Treatment with human immunoglobulin G improves the early disease course in a mouse model of Duchenne muscular dystrophy." in: Journal of neurochemistry, Vol. 136, Issue 2, pp. 351-62, (2016) (PubMed).</p> <p>Zschüntzsch, Voss, Creus, Sehmisch, Raju, Dalakas, Schmidt: "Provision of an explanation for the inefficacy of immunotherapy in sIBM: Quantitative assessment of inflammation and β-amyloid in the muscle." in: Arthritis and rheumatism, (2012) (PubMed).</p>
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