Datasheet for ABIN6699057

Rabbit anti-Mouse IgG1 (Heavy Chain) Antibody (DyLight 649)

2 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	IgG1
Binding Specificity:	Heavy Chain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Mouse IgG1 (Gamma 1 chain) Antibody DyLight™ 649 Conjugated
Immunogen:	Mouse IgG1 heavy chain
Isotype:	IgG
Characteristics:	Rabbit Anti Mouse IgG1 (Gamma 1 chain) Antibody DyLight 649™ Conjugated, Rabbit Anti-Mouse IgG1 Antibody DyLight 649™ Conjugated,Anti-Mouse IgG1 DyLight 649 Antibody generated in rabbit detects reactivity to Mouse IgG1 (Gamma 1 chain).
Labeling Ratio:	3.2

Target Details

Target:	IgG1

Target Details

Abstract:	IgG1 Products
Target Type:	Antibody
Background:	Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. IgG1 chain constitutes 66 % of the IgG subclass and has a high affinity for binding to the Fc receptor of phagocytic 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.

Application Details

Application Notes:	FLISA_Dilution: >1:20,000 IF_Microscopy_Dilution: >1:5,000 Western_Blot_Dilution: >1:10,000 Other: User Optimized
Comment:	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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. Suggested Applications: Microarray
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store conjugated secondary antibody 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. Conjugated Secondary Antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:

White, Couetil, Richard, Marti, Wilson: "Microarray molecular mapping of horses with severe asthma." in: **Journal of veterinary internal medicine**, Vol. 38, Issue 1, pp. 477-484, (2024) (PubMed).

Wyler, Sage, Marti, White, Gerber: "Protein microarray allergen profiling in bronchoalveolar lavage fluid and serum of horses with asthma." in: **Journal of veterinary internal medicine**, Vol. 37, Issue 1, pp. 328-337, (2023) (PubMed).

Birras, White, Jonsdottir, Novotny, Ziegler, Wilson, Frey, Torsteinsdottir, Alcocer, Marti: "First clinical expression of equine insect bite hypersensitivity is associated with co-sensitization to multiple Culicoides allergens." in: **PloS one**, Vol. 16, Issue 11, pp. e0257819, (2021) (PubMed).

Novotny, White, Wilson, Stefánsdóttir, Tijhaar, Jonsdóttir, Frey, Reiche, Rose, Rhyner, Schüpbach-Regula, Torsteinsdóttir, Alcocer, Marti: "Component-resolved microarray analysis of IgE sensitization profiles to Culicoides recombinant allergens in horses with insect bite hypersensitivity." in: **Allergy**, Vol. 76, Issue 4, pp. 1147-1157, (2021) (PubMed).

White, Moore-Colyer, Marti, Hannant, Gerber, Coüetil, Richard, Alcocer: "Antigen array for serological diagnosis and novel allergen identification in severe equine asthma." in: **Scientific reports**, Vol. 9, Issue 1, pp. 15170, (2020) (PubMed).