Product Datasheet

Lightning-Link (R) Streptavidin Antibody Labeling Kit 708-0010

Unit Size: 3 x 100ug Reaction

Store at -20C.

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Reviews: 2 Publications: 20

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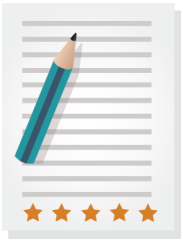

708-0010

Lightning-Link (R) Streptavidin Antibody Labeling Kit

Product Information

Unit Size	3 x 100ug Reaction
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C.
Conjugate	Streptavidin

Product Description

Description	Lightning-Link antibody labeling kits enable the direct labeling of antibodies, proteins, peptides or other biomolecules for use in R&D applications, drug discovery and the development of diagnostic kits (See protocol for further information). Our streptavidin antibody labeling kit enables the direct conjugation of streptavidin to any biomolecule with an available amine group. The researcher simply pipettes their antibody or other biomolecule into the vial of Lightning-Link Streptavidin and incubates for 3 hours. **FeaturesBenefits**Quick and easy to useSave time, no special knowledge requiredNo separation steps100% recovery - no antibody/protein lossCan be used in a wide range of applicationsFlexibleFreeze driedShips at ambient temperature, long shelf-lifeFully scalable (10 ug to 1 g or more)Easy transfer from R&D to manufacturingStringently QC testedConsistent high quality, excellent batch-to-batch reproducibilityLarge number of labels available Experimental flexibilityReliable: nearly 300 referencesSuccessfully used in many fields of research Streptavidin is a 53kDa protein purified from Streptomyces avidinii, which has widespread applications due to its very high affinity to the vitamin biotin. Streptavidin is a tetrameric molecule, composed of 4 13kDa monomers, each of which can bind a molecule of biotin. The Lightning-Link Streptavidin kit is unique in the sense that it is the only DIY streptavidin labeling kit available on the market. Like our biotinylation kits, Lightning-Link Streptavidin has been optimised to create high quality conjugates and minimise assay background. There is also no need for a wash or desalting step. The way in which the kits are optimised means the antibody or protein of interest will be labeled with up to 3 streptavidin molecules each, maximising the opportunity for biotin to bind and create a biotin streptavidin complex. Learn more about Lightning-Link™ Conjugation Kits by reading FAQs For more information please check out these useful links! Antibody Labeling Guide Antibody Conjugation Illustrated Assay
Kit Components	1 or 3 glass vial(s) of Lightning-Link mix, 1 vial of LL-Modifier reagent, 1 vial of LL-Quencher reagent

Notes	This product is manufactured by Abcam and distributed by Novus Biologicals. This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt and this statement overrides any mentioned guarantee period on the limitations section of this products datasheet. Please contact technical@novusbio.com with questions.

Product Application Details

Application Notes	By circumventing the desalting or dialysis steps that commonly interrupt traditional antibody conjugation procedures, LightningLink technology can be used to label both small (e.g. 10 ug) and large quantities of primary antibodies with ease. Batch-to-batch variation upon scale up is minimal as the process is so simple, and recoveries are always 100%. This kit is supplied with 3 vials, each suitable for labeling up to 100 ug of antibody.

Publications

Pinder CL, Kratochvil S, Cizmeci D. Isolation and Characterization of Antigen-Specific Plasmablasts Using a Novel Flow Cytometry Based Ig Capture Assay. J Immunol. 2017-12-15 [PMID: 29118244]

Antyborzec I, O'Leary VB, Dolly JO, Ovsepian SV. Low-Affinity Neurotrophin Receptor p75 Promotes the Transduction of Targeted Lentiviral Vectors to Cholinergic Neurons of Rat Basal Forebrain. Neurotherapeutics. 2016-01-01 [PMID: 27220617]

Wawrzyniak M, Ochsner U, Wirz O et al. A novel, dual cytokine-secretion assay for the purification of human Th22 cells that do not co-produce IL-17A. Allergy. 2016-01-01 [PMID: 26392196]

Mann JF, Tregoning JS, Aldon Y et al. CD71 targeting boosts immunogenicity of sublingually delivered influenza haemagglutinin antigen and protects against viral challenge in mice J Control Release 2016-06-28 [PMID: 27094605] (WB)

Madritsch C, Eckl-Dorna J, Blatt K et al. Antibody conjugates bispecific for intercellular adhesion molecule 1 and allergen prevent migration of allergens through respiratory epithelial cell layers. J Allergy Clin Immunol. 2015-01-01 [PMID: 25769914] (ELISA, FLOW)

Mallen M, Diaz-Gonzalez M, Bonilla D et al. Reusable conductimetric array of interdigitated microelectrodes for the readout of low-density microarrays. Anal Chim Acta. 2014-01-01 [PMID: 24890693] (IA)

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Halpern MD, Jain S, Jewett MW. Enhanced detection of host response antibodies to Borrelia burgdorferi using immuno-PCR. Clin Vaccine Immunol 2013-01-01 [PMID: 23302740] (IA)

Lee H, Haque S, Nieto J et al. A p53 axis regulates B cell receptor-triggered, innate immune system-driven B cell clonal expansion. J Immunol. 2012-06-15 [PMID: 22611237]

Taylor RM, Sillerud LO. Paclitaxel-loaded iron platinum stealth immunomicelles are potent MRI imaging agents that prevent prostate cancer growth in a PSMA-dependent manner International Journal of Nanomedicine 2012-01-01 [PMID: 22915856]

Yomogida K, Chou Y, Pang J et al. Streptavidin suppresses T cell activation and inhibits IL-2 production and CD25 expression Cyokine 2012-01-01 [PMID: 22410319]

Kreuz G, Zagon J, Broll H et al. Immunological detection of osteocalcin in meat and bone meal: a novel heat stable marker for the investigation of illegal feed adulteration Food Additives & Contaminants: Part A 2011-01-01 [PMID: 22300169] (IA)

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