

## Datasheet: 2550-0104

<b>Description:</b>	NATIVE HUMAN LOW DENSITY LIPOPROTEIN:DII
<b>Name:</b>	LOW DENSITY LIPOPROTEIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	0.2 mg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunofluorescence	▪			
In vitro Assay	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified from human serum - liquid
<b>Preparation</b>	Purified LDL is labelled with the fluorescent probe Dil (1,1'-dioctadecyl-3,3',3'-tetramethyl-indocarbocyanine perchlorate). The resultant product is then dialysed against 0.15 M NaCl, 0.05 M TRIS (pH 7.4) and 0.3 mM EDTA, sterilised by filtration and aseptically packaged.
<b>Preservative Stabilisers</b>	None present.
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.2 mg/ml
<b>Product Information</b>	<b>Dil labelled human low density lipoprotein</b> has been used for monitoring Ac-LDL uptake by monocytes/ macrophages in conjunction with excess unlabelled Ac-LDL <a href="#">5685-3404</a> ( <a href="#">Rahman et al. 2008</a> ).

Sample lots of Dil labeled human low density lipoprotein are individually evaluated for the labeling of human skin fibroblasts or P-388D cells grown in lipoprotein deficient medium for 48 hours.

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**References**

1. Barak, L.S. & Webb, W.W. (1981) Fluorescent low density lipoprotein for observation of dynamics of individual receptor complexes on cultured human fibroblasts. [J Cell Biol. 90 \(3\): 595-604.](#)
2. Pitas, R.E. *et al.* (1983) Foam cells in explants of atherosclerotic rabbit aortas have receptors for beta-very low density lipoproteins and modified low density lipoproteins. [Arteriosclerosis. 3: 2-12.](#)
3. Barak, L.S. & Webb, W.W. (1982) Diffusion of low density lipoprotein-receptor complex on human fibroblasts. [J Cell Biol. 95 \(3\): 846-52.](#)
4. Rahman, E.U. *et al.* (2008) Mesangial matrix-activated monocytes express functional scavenger receptors and accumulate intracellular lipid. [Nephrol Dial Transplant. 23 \(6\): 1876-85.](#)
5. Lufino, M.M. *et al.* (2016) The infectious BAC genomic DNA expression library: a high capacity vector system for functional genomics. [Sci Rep. 6: 28644.](#)

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**Storage**

Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted. Avoid repeated freezing and thawing.

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**Guarantee**

Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information**

Material Safety Datasheet documentation #10078 available at:  
10078: <https://www.bio-rad-antibodies.com/uploads/MSDS/10078.pdf>

Donor material tested and found negative for HIV1, HIV2, HIV1 antigen, HBsAg, the antibody to HTLV1, HCV, HBcAg, ALT and syphilis.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious.

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**Regulatory**

For research purposes only

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