

Datasheet for ABIN6940244
anti-CD207 antibody (AA 74-213)

2 Images

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Overview

Quantity:	100 µg
Target:	CD207
Binding Specificity:	AA 74-213
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD207 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa74-213) of human Langerin protein (exact sequence is proprietary)
Clone:	LGRN-1821
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD207
Alternative Name:	CD207 (CD207 Products)
Background:	Langerhans cells (LCs) are a subset of immature dendritic cells (DCs) that specifically localize

Target Details

in the epidermis and other mucosal epithelia. Epidermal LCs possess strong immunostimulatory capacity and play a central role in the initiation and regulation of immune responses. Langerin (CD207) is a Ca²⁺-dependent, C-type lectin domain containing, type II transmembrane protein that induces epidermal LCs to differentiate into Birbeck granules (BG). BGs are organelles with superimposing and zipper membranes that influence proper class I type antigen presentation to the circulating T cells. Human spleen, lymph node, thymus, liver, lung and heart express Langerin protein.

Molecular Weight: 48kDa

Gene ID: 50489

UniProt: [Q9UJ71](#)

Application Details

Application Notes: Positive Control: HeLa or A549 cells (WB).
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

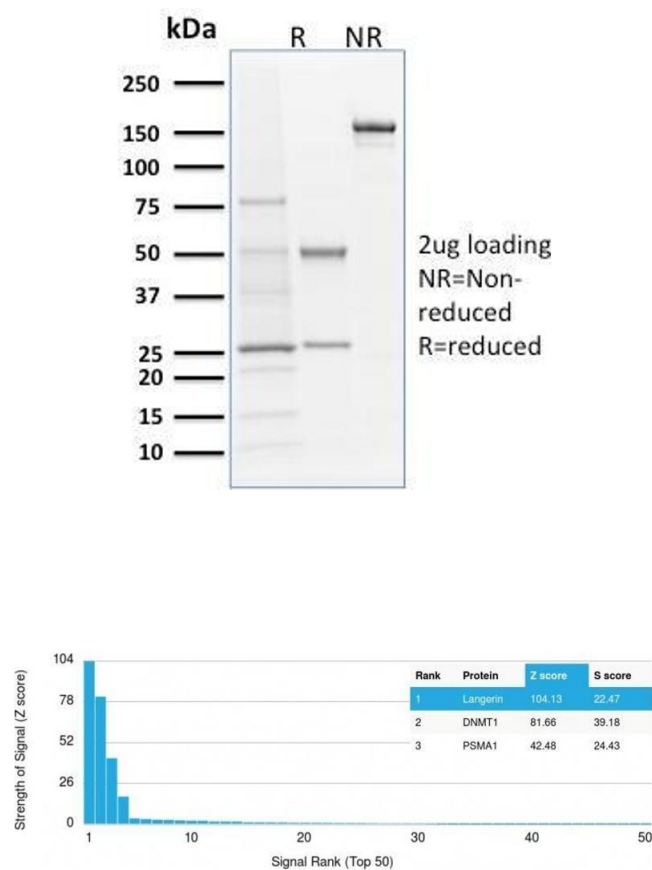
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Langerin Mouse Monoclonal Antibody (LGRN/1821). Confirmation of Integrity and Purity of Antibody.

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Langerin (CD207) Mouse Monoclonal Antibody (LGRN/1821). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.