

Product datasheet for **DDX0370B-100**

Cd207 Mouse Monoclonal Antibody [Clone ID: 205C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	205C1
Applications:	FC
Recommend Dilution:	FACS, IF (Douillard P et al, 2005 J. Invest. Dermatol, 125: 983–994).

Usage recommendation:

- *This monoclonal antibody may be used between 5-20 µg/ml.
- *Optimal dilution should be determined by each laboratory for each application.
- *Coupled antibody: to maintain RT before using.

Reactivity:	Mouse
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Mouse ear crawl-out Langerhans cells.
Specificity:	Mouse Langerin.
Formulation:	Purified: 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8. Coupled: 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol. Label: Biotin
Concentration:	0.5 mg/ml
Purification:	Hyper-D ion exchange chromatography
Conjugation:	Biotin
Gene Name:	CD207 antigen
Database Link:	Entrez Gene 246278 Mouse



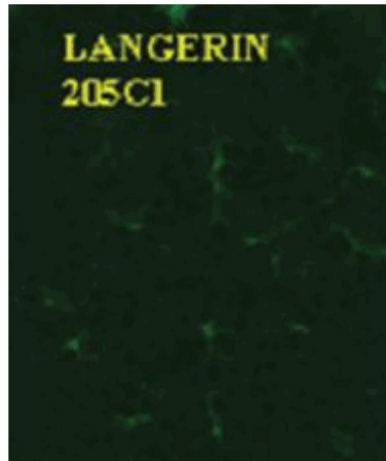
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Background:

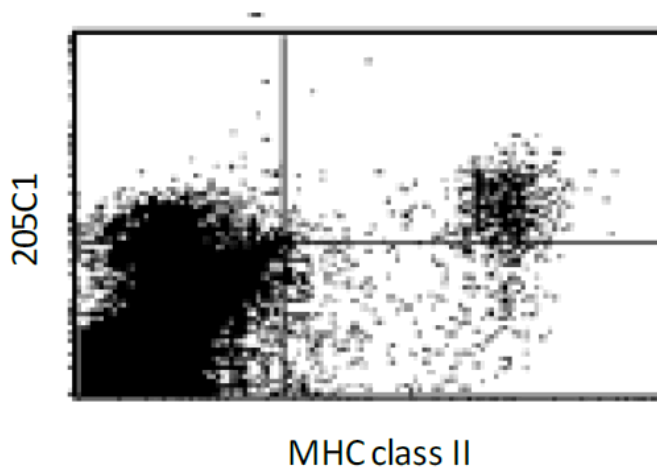
Langerin/CD207 is a transmembrane C-type lectin receptor (CLR) of epidermal and mucosal Langerhans cells (LCs) that induces Birbeck's granule formation. Langerin features a single carbohydrate recognition domain (CRD) with mannose-type specificity in its extracellular portion. Langerin is unique among the CLRs in that it contains an intracellular domain with a proline-rich motif. Langerin expression has not been reported outside the DC system. (Valladeau J et al, 2002 *J Immunol*, 168 : 782-792) (Douillard P et al, 2005 *J Invest Dermatol*, 125: 983-994).

Synonyms:

CLEC4K, Dendritic Cell Marker

Product images:

IF on acetone-fixed ear epidermal sheet



Freshly isolated CD11c+ Langerhans cells.