

Product datasheet for **DDX0362B-100**

Langerin (CD207) Rat Monoclonal Antibody [Clone ID: 929F3.01]

Product data:

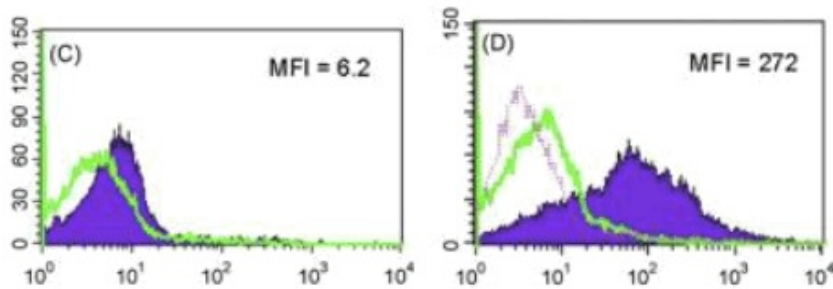
| | |
|---------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 929F3.01 |
| Applications: | FC, IHC |
| Recommend Dilution: | IHC, Flow cytometry. Usage recommendation: *This monoclonal antibody may be used between 5-20 µg/ml. *Optimal dilution should be determined by each laboratory for each application. |
| Reactivity: | Human, Mouse, Porcine, Rat |
| Host: | Rat |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | human Langerin-transfected eukaryotic cells. |
| Specificity: | Human Langerin. Species cross-reactivity: Rat, Mouse, Swine. |
| Formulation: | 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol Label: Biotin |
| Concentration: | 0.5 mg/ml |
| Conjugation: | Biotin |
| Gene Name: | CD207 molecule |
| Database Link: | Entrez Gene 50489 Human |
| Background: | Langerin/CD207 is a transmembrane C-type lectin receptor (CLR) of epidermal and mucosal Langerhans cells (LCs) that induces Birbeck's granule. Langerin features a single carbohydrate recognition domain (CRD) with mannose-type specificity in its extracellular portion. Langerin expression has not been reported outside the DC system. Human Langerin is involved in the processing of mycobacterial glycolipids leading to antigen presentation to CD1a-restricted T cells. Human Langerin binds the gp120 of HIV.(<i>Valladeau J et al, 2002 J. Immunol, 168 : 782-792; Douillard P et al, 2005 J Invest Dermatol, 125: 983-994; Chorro L. et al, J Exp.Med., 2010, 206 (13), 3089-3100</i>). |



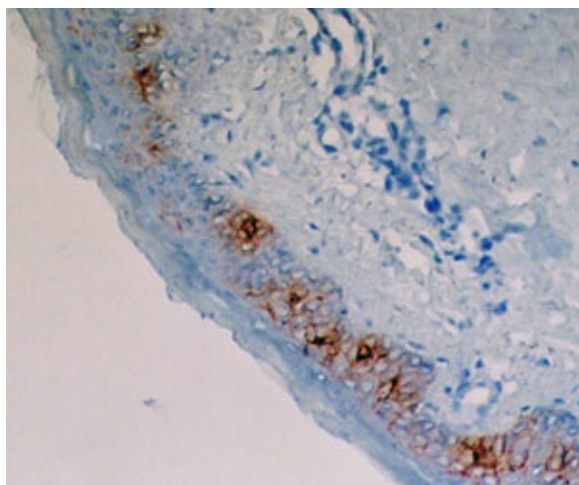
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Synonyms: CLEC4K, Dendritic Cell Marker

Product images:



Cells derived from culture of porcine skin stained permeabilized (D) or not (C) with 929F3



IHC staining of human skin frozen section with clone 929F3 (DX0362)