

## Product datasheet for **DDX0373A488-100**

### Cd207 Rat Monoclonal Antibody [Clone ID: 923B7]

#### Product data:

**Product Type:** Primary Antibodies  
**Clone Name:** 923B7  
**Applications:** FC, IF  
**Recommended Dilution:** **DDX0373P-50 / DDX0373P-100 Purified:** IHC, Flow cytometry.  
**DDX0373A488-50 / DDX0373A488-100 Alexa-fluor®488:** IF surface Flow cytometry.  
**DDX0373A546-50 / DDX0373A546-100 Alexa-fluor®546:** IF.  
**DDX0373A647-50 / DDX0373A647-100 Alexa-fluor®647:** Flow cytometry.  
**DDX0373B-50 / DDX0373B-100 Biotin:** 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.  
\*Coupled antibody: to maintain RT before using.

**Reactivity:** Human, Mouse, Rat  
**Host:** Rat  
**Isotype:** IgG2a  
**Clonality:** Monoclonal  
**Immunogen:** Human Langerin-transfected eukaryotic cells.  
**Specificity:** Human Langerin (extracellular epitope).  
**Species cross-reactivity:** Rat, Mouse.  
**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: Alexa Fluor 488  
**Concentration:** lot specific  
**Purification:** Hyper-D ion exchange chromatography  
**Conjugation:** Alexa Fluor 488  
**Storage:** **-20°C. KEEP CONTENTS STERILE: no preservative.**  
**Purified antibodies:** avoid repeated freeze/thaw cycles.  
**Coupled antibodies:** glycerol protects from freezing.



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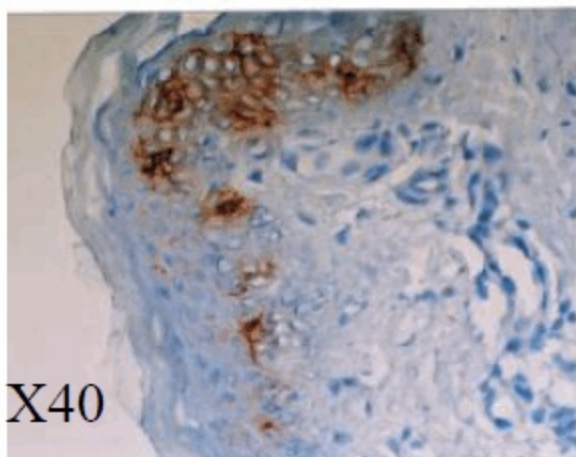
Gene Name: CD207 antigen

Database Link: [Entrez Gene 246278 Mouse](#)

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:



IHC on human skin cryosections with 923B7-HRP