

10-4900: Monoclonal antibody to CD207 (Langerin) (Clone: 10E2)

Clonality :	Monoclonal
Clone Name :	10E2
Application :	FACS
Reactivity :	Human
Gene :	CD207
Gene ID :	50489
Uniprot ID :	Q9UJ71
Format :	Purified
Alternative Name :	Langerin, C-type lectin domain family 4 member K, CLEC4K
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	Primary human Langerhans cells.

Description

CD207, also known as Langerin, is a 40 kD type II transmembrane cell glycoprotein which belongs to C-type lectin with mannose binding specificity. It is predominantly expressed on Langerhans cells and induces the formation of Birbeck granules, the Langerhans cell hallmark organelle. It is also found on several other subtypes of dendritic cells, such as dermal CD103-positive dendritic cells and splenic CD8-positive dendritic cells. Langerin is generally thought to be involved in antigen processing. Recently, it has been found that HIV captured by Langerin was internalized into Birbeck granule and degraded, which results in inhibition of HIV-1 infection and subsequent transmission.

Product Info

Amount :	100 µg
Purification :	Affinity chromatography.
Content :	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Storage condition :	The antibody solution should be stored undiluted between 2°C and 8°C.

Application Note