

Monoclonal Anti-mouse, human, rat, swine Langerin /CD207

Product reference: DDX0368

Description:

Langerin/CD207 is a transmembrane C-type lectin receptor (CLR) of epidermal and mucosal Langerhans cells (LCs) that induces Birbeck 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. In mouse, clone 306G9 stains lymph node dendritic cells (*Henri et al, 2001, J. Immunol, 167: 741-748*) (*Valladeau J. et al, 2002 J Immunol, 168: 782*).

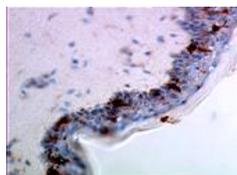
Clone: 306G9
Species: mouse
Specificity: mouse and human Langerin (intracellular epitope)
Immunogen: mouse langerin-transfected COP5 cells
Species cross- reactivity: human, rat, swine
Isotype: IgG1
Purification: QMA Hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

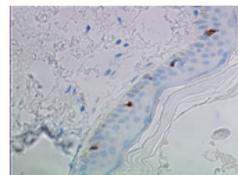
Reference N°		Format	Application in human and swine	Application in mouse
50 µg	100 µg			
DDX0368P-50	DDX0368P-100	Purified	Intracellular Flow cytometry , paraffin (Bouin), IHC	Intracellular Flow cytometry
DDX0368A488-50	DDX0368A488-100	Alexafluor®488	Intracellular Flow cytometry, IF	Intracellular Flow cytometry, IF
DDX0368A546-50	DDX0368A546-100	Alexafluor®546	IF	IF
DDX0368A647-50	DDX0368A647-100	Alexafluor®647	Intracellular Flow cytometry	Intracellular Flow cytometry
DDX0368B-50	DDX0368B-100	Biotin	IHC, Intracellular Flow cytometry	Flow cytometry

Other clones available on request

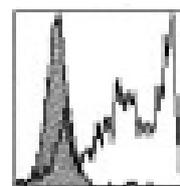
Applications tested: Flow cytometry, IF, IHC



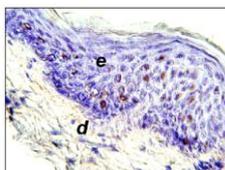
IHC staining of human skin frozen section with 306G9 antibody



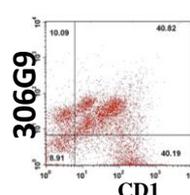
IHC staining of human skin paraffin section with 306G9 antibody



Facs analysis of mouse Langerin-transfected COP5 cells stained with 306G9 antibody



IHC staining of Langerhans cells in porcine skin tissue section



Facs double-staining of porcine skin-derived DCs

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

Aliquot storage conditions -20°C. **KEEP CONTENTS STERILE: no preservative.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research only, not for diagnostic or therapeutic use.