

Monoclonal Anti-human SEMA-6A

Product reference: DDX0463

Description

Semaphorins represent a large family composed of 19 secreted, GPI-linked or transmembrane members divided into 5 classes (3 to 7) and characterized by the presence of a 500 amino acid Sema domain in the N-terminus. Initially described for their role in axon guidance and apoptosis during neuronal development, some semaphorins like the class 4 regulate immune functions and are involved in organogenesis and angiogenesis. The transmembrane class 6 semaphorins include 4 members (SEMA-6A to 6D). SEMA-6A features an intracellular binding site for regulatory Evi protein. In the immune system, SEMA6A protein is restricted *in vitro* and *in vivo* to an activation status of Langerhans cells. (Gautier G et al., 2006 Am J Pathol., 168: 453-65).

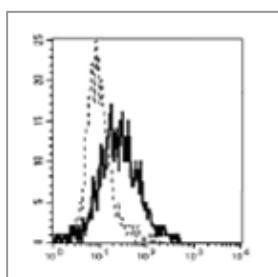
Clone: 118E7
Species: mouse
Specificity: human SEMA-6A (epitope in extracellular domain)
Immunogen: human recombinant SEMA-6A
Species cross- reactivity: nd
Isotype: IgG1
Purification: QMA hyper D ion exchange chromatography
Formulation/size: **Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0463P-50	DDX0463P-100	Purified	surface Flow cytometry
DDX0463A488-50	DDX0463A488-100	Alexa-fluor@488	surface Flow cytometry
DDX0463A546-50	DDX0463A546-100	Alexa- fluor@546	IF
DDX0463A647-50	DDX0463A647-100	Alexa- fluor@647	(on request)

Applications tested

Flow cytometry



*FACS staining with purified 118E7:
 Expression on CD1a+ DCs generated in vitro
 (in GM-CSF+TNFα)*

Other application:

IHC

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 purpose only