

## Monoclonal Anti-human SEMA-6A

**Product reference: DDX0462**

### 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).

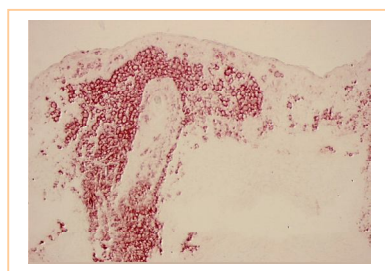
<b>Clone:</b>	<b>104B3</b>
<b>Species:</b>	mouse
<b>Specificity:</b>	human SEMA-6A (epitope in extracellular domain)
<b>Immunogen:</b>	human recombinant SEMA-6A
<b>Species cross- reactivity:</b>	nd
<b>Isotype:</b>	IgG1
<b>Purification:</b>	QMA Hyper D ion exchange chromatography
<b>Formulation/size:</b>	<b>Purified:</b> 100 µg in 200µl Tris-NaCl pH 8
	<b>Coupled:</b> 100 µg in 200µl PBS 50% glycerol

### Available formats:

Reference	Format	Application tested
DDX0462	Purified	IHC
DDX0462A488	Alexa-fluor®488	IF, Flow cytometry
DDX0462A546	Alexa- fluor®546	IF
DDX0462A647 (on request)	Alexa- fluor®647	

### Applications tested:

IHC



*Cryosection of human cutaneous Langerhans cells histiocytosis: purified 104B3-GAM-HRP*

### 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**