

## Monoclonal Anti-human SEMA-6A

**Product reference: DDX0462**

### Description

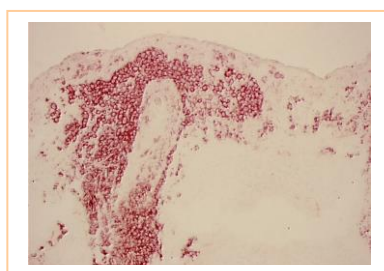
Semaphorins represent a large family composed of 19 secreted, GPI-linked or transmembrane members divided into 5 classes (3 to 7) and characterized by the presence of a 500 amino acid Sema domain in the N-terminus. Initially described for their role in axon guidance and apoptosis during neuronal development, 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*).

**Clone:** 104B3  
**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		
DDX0462P-50	DDX0462P-100	Purified	IHC
DDX0462A488-50	DDX0462A488-100	Alexa-fluor®488	IF, Flow cytometry
DDX0462A546-50	DDX0462A546-100	Alexa- fluor®546	IF
DDX0462A647-50	DDX0462A647-100	Alexa- fluor®647	(on request)

**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**