

# Monoclonal Anti-human, mouse DORA/IGSF6

**Product reference: DDX0220**

## Description

Using a cDNA subtraction technique, a novel member of the immunoglobulin superfamily was isolated from human dendritic cells (DCs). This cDNA, named DORA, for Down-Regulated by Activation encodes a protein belonging to the CD8 family of receptors containing a single V type loop domain with an associated J chain region, a transmembrane region containing an atypical tyrosine residue and a cytoplasmic domain containing three putative tyrosine phosphorylation sites. The human DORA gene has been mapped to chromosome 16. Expression is observed in DCs, purified *ex vivo* or generated *in vitro* from either monocytes or CD34<sup>+</sup> progenitors, and down-regulated following activation by PMA and Ionomycin or by CD40L engagement.

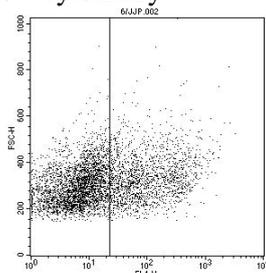
(Bates EE et al, 2000; *Immunogenetics*, 52: 112-20; Bates EE et al, 1998; *Mol. Immunology*, 35: 513-24)

<b>Clone:</b>	<b>104A10.01</b>
<b>Species:</b>	mouse
<b>Specificity:</b>	human DORA
<b>Immunogen:</b>	human recombinant DORA Ig fusion protein
<b>Species cross-reactivity:</b>	mouse, dog
<b>Isotype:</b>	IgG1
<b>Purification:</b>	QMA Hyper D ion exchange chromatography
<b>Formulation/size:</b>	<b>Purified:</b> 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8
	<b>Coupled:</b> 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

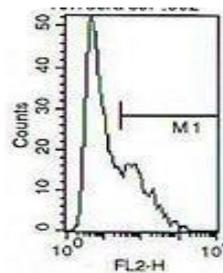
## Available formats:

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0220P-50	DDX0220P-100	Purified	Flow cytometry surface, WB
DDX0220A488-50	DDX0220A488-100	Alexa-fluor®488 (on request)	Flow cytometry surface, WB
DDX0220A546-50	DDX0220A546-100	Alexa-fluor®546 (on request)	Flow cytometry surface, WB
DDX0220A647-50	DDX0220A647-100	Alexa-fluor®647 (on request)	Flow cytometry surface, WB
DDX0220B-50	DDX0220B-100	Biotin (on request)	Flow cytometry surface, WB

## Applications tested: Flow cytometry



FACS staining of **human** DORA – transfected COP5 cells



FACS staining of **murine** DORA – transfected COP5 cells

**Usage recommendation:**

- \*This monoclonal antibody may be used between 5-15 µg/ml.
- \*Optimal dilution should be determined by each laboratory for each application.
- \*Coupled antibody: to maintain RT before use.

**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**