

## Monoclonal Anti-human ICAM-1/CD54

**Product reference: DDX0151**

### Description:

217E2 monoclonal antibody was obtained following mouse immunization with *in vitro*-derived human dendritic cells. The target antigen was found to be CD54/ICAM-1, a cell surface glycoprotein which is typically expressed on endothelial cells and immune cells. CD54/ICAM-1, member of the Ig superfamily, binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also a receptor for rhinovirus. CD54/ICAM-1 is a type of intracellular adhesion molecule, playing a role in transmigration of endothelial cells into tissues through binding to LFA-1.

(Carlson M. et al, 1988, *Nucleic Acids Res.* 16 (9): 4188; Yang L. et al, 2005, *Blood* 106 (2): 584).

<b>Clone:</b>	<b>217E2</b>
<b>Species:</b>	Mouse
<b>Specificity:</b>	CD54
<b>Immunogen:</b>	<i>in vitro</i> -derived DCs (GM-CSF+TNF $\alpha$ )
<b>Species cross-reactivity:</b>	nd
<b>Isotype:</b>	IgG1
<b>Formulation/size:</b>	<b>Purified:</b> 100 $\mu$ g in 200 $\mu$ l / 50 $\mu$ g in 100 $\mu$ l Tris-NaCl pH 8 <b>Coupled:</b> 100 $\mu$ g in 200 $\mu$ l / 50 $\mu$ g in 100 $\mu$ l PBS 50% glycerol

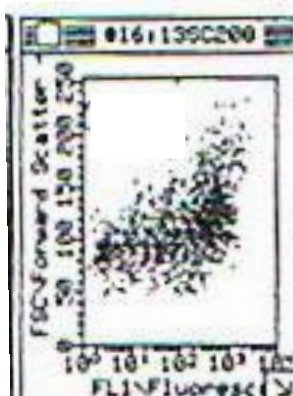
### Available formats:

Reference N°		Format	Application tested
50 $\mu$ g	100 $\mu$ g		
DDX0151P-50	DDX0151P-100	Purified	Flow cytometry, IHC (cryosection, paraffin), IF
DDX0151A488-50	DDX0151A488-100	Alexa-fluor® 488	Flow cytometry, IF ( <i>On request</i> )
DDX0151A546-50	DDX0151A546-100	Alexa- fluor® 546	Flow cytometry, IF ( <i>On request</i> )
DDX0151A647-50	DDX0151A647-100	Alexa- fluor® 647	Flow cytometry, IF ( <i>On request</i> )

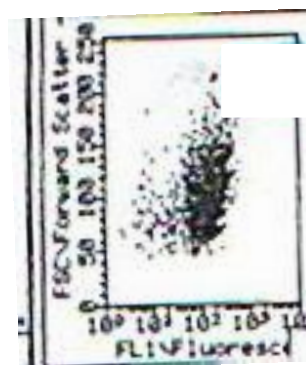
### Applications : IHC (cryosection, paraffin)



Control isotype



CD1a



217E2

### FACS staining of human CD34<sup>+</sup>-derived Dcs

### Usage recommendation:

- \*This monoclonal antibody may be used between 1-10  $\mu$ g/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**