DENDRITICS

# Monoclonal Anti-human, sheep ICAM-1/CD54

**Product reference: DDX0150**

**Description:**

117G12 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. mAb 117G2 positively stains sheep tissue sections *(Schwartz-Cornil I, pers.communication* ; *Carlson M.et al, 1988, Nucleic Acids Res. 16 (9): 4188; Yang L. et al, 2005, Blood 106 (2): 584).*

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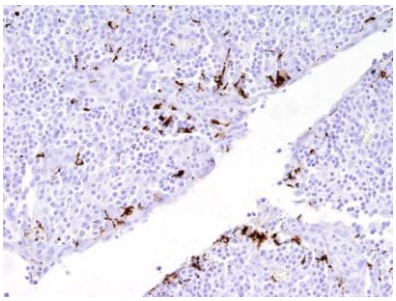
|---|---|
| **Clone:** | **117G12** |
| **Species:** | Mouse |
| **Specificity:** | CD54 |
| **Immunogen:** | *in vitro*-derived DCs (GM-CSF+TNFα) |
| **Species cross-reactivity:** | sheep |
| **Isotype:** | IgG1 |
| **Formulation/size:** | **Purified**: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8<br>**Coupled**: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol |

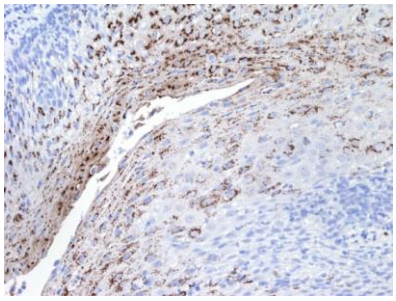
**Available formats:**

| Reference N° | | Format | Application tested |
|---|---|---|---|
| **50 µg** | **100 µg** | | |
| DDX0150P-50 | DDX0150P-100 | Purified | IHC (cryosection, paraffin) |
| DDX0150A488-50 | DDX0150A488-100 | Alexa-fluor® 488 | IF *( On request)* |
| DDX0150A546-50 | DDX0150A546-100 | Alexa- fluor® 546 | IF *( On request)* |
| DDX0150A647-50 | DDX0150A647-100 | Alexa- fluor® 647 | IF *( On request)* |

**Applications** : IHC (cryosection, paraffin)



Tonsil crypt (paraffin)



Tonsil epithelium (paraffin)

Lung tumor (cryosection)

**Usage recommendation:**

*****This monoclonal antibody may be used between 1-10 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.**
**<u>Purified</u> antibodies: avoid repeated freeze/thaw cycles.**
**<u>Coupled</u> antibodies: glycerol protects from freezing.**

**Not for use in Humans. For research purpose only**

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