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30-2557: Anti-Mouse CD49e Antibody (Clone : 5H10-27 (MFR5))

Clonality :	Monoclonal
Clone Name :	5H10-27 (MFR5)
Application :	ICC
Reactivity :	Mouse
Gene :	Itga5
Gene ID :	16402
Format :	Purified
Alternative Name :	ITGA5, VLA-5 alpha, FNRA,integrin alpha 5
Isotype :	Rat IgG2a kappa
Immunogen Information :	C57BL/6 x A/J)F1 murine mast cell line

Description

CD49e, the alpha 5 integrin, noncovalently associates with the beta 1integrin (CD29) to form VLA-5 integrin complex. CD49e itself is composed of two disulfide-linked chains of 135 kDa and 25 kDa. VLA-5 binds to RGD sequence of fibronectin, and to neural adhesion molecule L1. It is important in maintaining the integrity of endothelial monolayers, in monocyte migration into the extracellular tissues, and it also provides a co-stimulatory signal to T cells and enhances receptor and complement receptor-mediated phagocytosis.
Specificity : The rat monoclonal antibody 5H10-27 (MFR5) recognizes an extracellular epitope of murine CD49e, a 135 kDa protein serving as VLA-5 alpha chain, expressed on thymocytes, activated T cells, splenic B cells, and mast cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

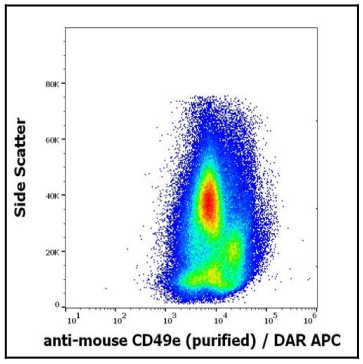


Figure 1: Flow cytometry surface staining of murine bone anti-mouse CD49e purified antibody

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