For research purposes only, not for human use

Product Data Sheet

Anti-CD49e Antibody-PE labled

Catalog #	Source	Reactivity	Applications
CFF8811	Rat	M	IF, FC

Description	Rat monoclonal antibody PE labled to CD49e
Immunogen	Affinity-purified mouse VLA-5 protein (α5β1, CD49e/CD29)
Purification	The antibody was purified by affinity chromatography.
Specificity	Recognizes mouse, rat CD49e
Clonality	Monoclonal (clone: 5H10-27)
Conjugation	PE
Form	Rat IgG2a kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Dilution	10 µl / assay
Gene Symbol	ITGA5
Alternative Names	FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5; CD49e
Entrez Gene	16402 (Mouse)
SwissProt	P11688 (Mouse)
Directions for Use	1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light. 3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant.

6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).

Storage/Stability Shipped and store at 4°C for one year. Do not freeze.

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