Rat Ly-6B.2 ALLOANTIGEN Monoclonal Antibody | anti-Ly-6B.2 antibody

RAT ANTI MOUSE Ly-6B.2 ALLOANTIGEN:FITC

CATALOG #	HOST	APPLICATIONS
AAA12192	**Rat**	**Flow Cytometry, Functional Assay**

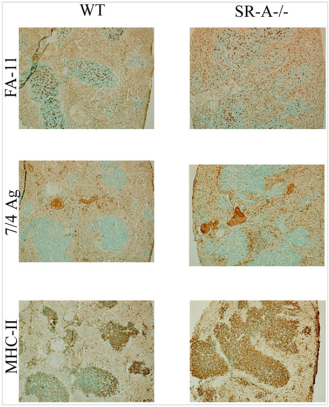
PRODUCT SYNONYMS

Ly-6B.2 ALLOANTIGEN; Monoclonal Antibody; RAT ANTI MOUSE Ly-6B.2 ALLOANTIGEN:FITC; anti-Ly-6B.2 antibody

PRODUCT SPECIFICATIONS

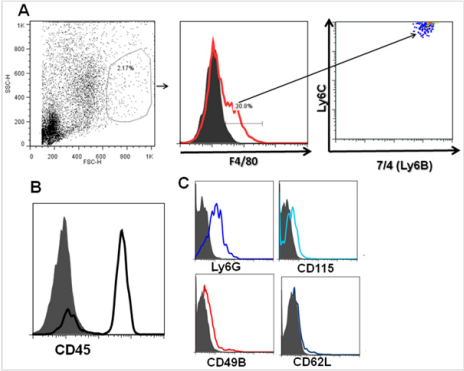
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	7/4
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.5 mg/ml (varies by lot)
Applicable Applications for anti-Ly-6B.2 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. **Flow Cytometry:** Minimum Dilution: 1/50; Maximum Dilution: 1/100
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



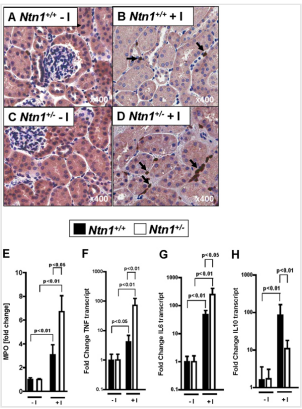
Application Data

Staining of New Zealand Black mouse peripheral blood granulocytes with Rat anti Mouse Ly-6B.2 conjugated to FITC Data



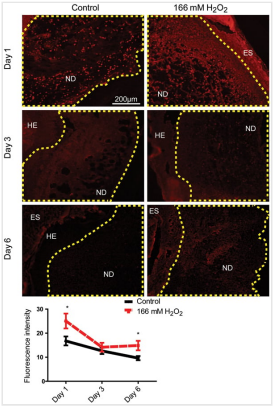
Application Data

Published customer image: F4/80 and CD11b+ cells infiltrating the iris after the intracameral injection of antigen also express Ly6C, 7/4 (Ly 6B) and CD45. Preparations of na¯ve iris cells and cells recovered after an intracameral injection of antigen were stained with anti- F4/80 and (A) Ly6C and 7/4 (B) show a characteristic CD45 peak C) Ly6Glo or negative, CD115, CD49b+, CD62Llo. The figures are representative of 2 experiments. All the isotype controls in the histograms are shown as shaded.From: Pais R, Bhowmick S, Chattopadhyay S, Lemire Y, Sharafieh R, et al. (2012) An Intracameral Injection of Antigen Induces In Situ Chemokines and Cytokines Required for the Generation of Circulating Immunoregulatory Monocytes. PLoS ONE 7(8): e43182.



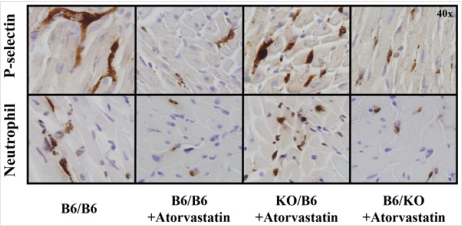
Application Data

Published customer image: Renal inflammatory changes in Ntn1+/- mice following ischemia. Ntn1+/- mice and their respective age-, weight-, and gender-matched littermate controls (Ntn1+/+) were subjected to 30 minutes of left renal artery ischemia. (A -D) Neutrophil staining. Arrows indicate neutrophils (magnification 400x). (E) Quantification of neutrophil tissue accumulation by measurement of myeloperoxidase (MPO). (F) TNF-a and (G) interleukin-6 (IL-6) and (H) interleukin-10 (IL-10) were assessed by real-time RT-PCR from renal tissues. Data were calculated relative to beta-actin and are expressed as fold change compared to sham-operated animals without ischemia (-I). Data are representative of four to six independent experiments for each experimental condition (mean +/- SD).From: Grenz A, Dalton JH, Bauerle JD, Badulak A, Ridyard D, et al. (2011) Partial Netrin-1 Deficiency Aggravates Acute Kidney Injury. PLoS ONE 6(5): e14812.



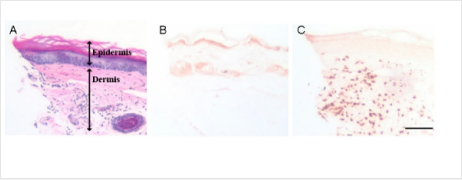
Application Data

Published customer image: 166 mM H2O2 increased neutrophil infiltration in day 1 and 6 wounds. Fluorescence intensity of the neodermis was quantified using ImageJ. The area quantified is outlined with the dashed line. Results shown are mean +/- S.E.M, n = 6-7. A representative section from each treatment is shown. ES - Eschar; HE - Hyper-proliferating epidermis; ND - neodermis.*p



Application Data

Published customer image: Effect of atorvastatin on platelet and neutrophil infiltration after reperfusion. The infiltration of platelets (upper panel) and neutrophils (lower panel) were evaluated by immunohistochemistry in the 4 chimeric groups that received 40 min of LAD occlusion and 60 min of reperfusion. Platelets and neutrophils were found predominantly in the ischemic area in B6/B6 chimeras. Atorvastatin reduced both platelet and neutrophil infiltration in B6/B6 and B6/KO chimeras, but not in KO/B6 chimeras.From: Tian Y, Linden J, French BA, Yang Z (2014) Atorvastatin at Reperfusion Reduces Myocardial Infarct Size in Mice by Activating eNOS in Bone Marrow-Derived Cells. PLoS ONE 9(12): e114375.



Application Data

Published customer image: Peri-incisional infiltration of neutrophils, immunohistochemical appearance. Hind paw skin from incised mice was processed for the identification of neutrophils. Panel A displays an H&E stained section of plantar hind paw skin demonstrating a predominantly dermal cellular infiltrate 2 hours after incision. The dermal and epidermal layers are labeled. Panel B displays the appearance of non-incised hind paw skin stained with a neutrophil-specific antibody. Panel C displays a micrograph taken of incised skin stained for neutrophils 2 hours after incision. Note the abundance of darkly staining infiltrating neutrophils in the dermis of this section compared to that displayed in panel B. The scale bar in panel C is 150 um in length. All micrographs were taken using 200x magnification.From: Clark JD, Shi X, Li X, Qiao Y, Liang D, Angst MS, Yeomans DC. Morphine reduces local cytokine expression and neutrophil infiltration after incision. Mol Pain. 2007 Oct 2;3:28.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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