abcam

ab323682

Alexa Fluor® 647 Anti-Sca1 / Ly6A/E antibody [E13 161-7] - Hematopoietic Stem Cell Marker

Key facts

Isotype	IgG2a
Host species	Rat
Conjugation	Alexa Fluor® 647
Excitation/Emission	Ex: 650nm, Em: 665nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	E13 161-7
Purification technique	Affinity purification Protein G

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	1/12500 - 1/62500
Notes	-

Target data

See full target information Ly6a

Function	T-cell activation.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

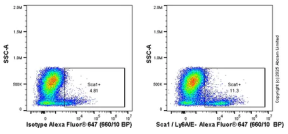
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2 product images

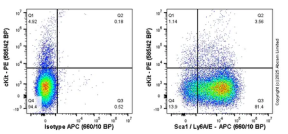


Flow Cytometry - Alexa Fluor® 647 Anti-Sca1 / Ly6A/E antibody [E13 161-7] - Hematopoietic Stem Cell Marker (ab323682)

Sca1 / Ly6A/E Flow Cytometry staining of C57 BL/6 Mouse Bone Marrow cells using rat Anti-Sca1 / Ly6A/E antibody

Flow cytometry staining of C57 BL/6 mouse bone marrow cells with ab323682 (right) or Alexa Fluor® 647 Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab323682 or Alexa Fluor® 647 Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1x 10^6 in 100µl at 0.008 µg/ml (1/62500)) for 30min on ice.

Acquisition of >30000 events were collected using a 40 mW Red laser (638nm) and 660/10 bandpass filter. Events were gated on viable cells.



Flow Cytometry - Alexa Fluor® 647 Anti-Sca1 / Ly6A/E antibody [E13 161-7] - Hematopoietic Stem Cell Marker (ab323682)

Sca1 / Ly6A/E Flow Cytometry staining of C57 BL/6 Mouse Splenocytes using rat Anti-Sca1 / Ly6A/E antibody

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab323682 (right) or Alexa Fluor® 647 Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left). Cells were incubated for 30 min on ice in 1x PBS containing 10µg/ml anti CD16/CD32 and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ab323682 or Alexa Fluor® 647

Rabbit IgG, monoclonal [EPR25A] - Isotype Control (1x 10^6 in 100µl at 0.04 µg/ml (1/12500)) for 30min on ice. The cells were simultaneously stained with c-Kit.

Acquisition of >30000 events were collected using a 40 mW Red laser (638nm) and 660/10 bandpass filter. Events were gated on viable cells.

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