

Product datasheet

Anti-NCAM1 antibody [ERIC-1] ab6123

5 References 2 Images

Overview

Product name	Anti-NCAM1 antibody [ERIC-1]
Description	Mouse monoclonal [ERIC-1] to NCAM1
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IP, ICC/IF, IHC-P, IHC-Fr, WB, ELISA, RIA
Species reactivity	Reacts with: Rat, Cow, Human
Immunogen	CD56 positive cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	ERIC-1
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab6123** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

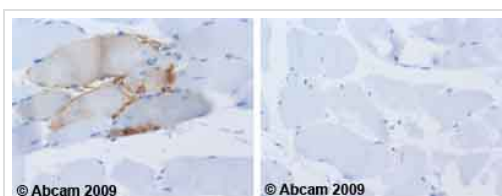
Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use a concentration of 0.5 - 2 µg/ml.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration. PubMed: 24349544
IHC-P		Use a concentration of 2 µg/ml.
IHC-Fr		Use a concentration of 0.5 - 2 µg/ml.
WB		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
RIA		Use at an assay dependent concentration.

Target

Function	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
Sequence similarities	Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
Cellular localization	Secreted and Cell membrane.

Images

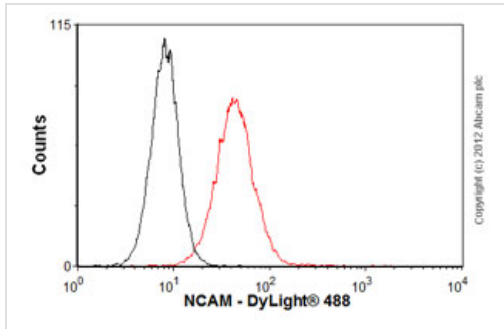


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [ERIC-1] (ab6123)

Ab6123 staining Human normal skeletal muscle. Staining is localised the membrane.

Left panel: with primary antibody at 2 ug/ml. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffers EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



Flow Cytometry - Anti-NCAM1 antibody [ERIC-1] (ab6123)

Overlay histogram showing HCT116 cells stained with ab6123 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab6123, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HCT116 cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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