Product Datasheet

Integrin alpha 7 Antibody (3C12) [FITC]
NBP1-54412-100ul

Unit Size: 100 ul

Store at 4C. Do not freeze.

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Publications: 3

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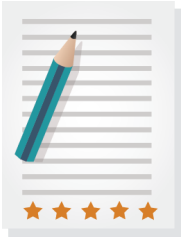
Updated 12/20/2023 v.20.1



NBP1-54412-100ul

Integrin alpha 7 Antibody (3C12) [FITC]

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	3C12
Preservative	0.09% Sodium Azide
Isotype	IgG1
Conjugate	FITC
Purity	Protein A purified
Buffer	PBS and 1.0% BSA

Product Description	
Host	Mouse
Gene ID	3679
Gene Symbol	ITGA7
Species	Mouse
Reactivity Notes	Mouse
Immunogen	This hybridoma was established by fusion of mouse myeloma cell SP2/0 with Integrin alpha7 knockout C57/B6 mouse splenocyte immunized with mouse myoblasts.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry 25-50 ug/ml, Immunocytochemistry/ Immunofluorescence
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID : 29337118).

Publications

Endo Y, Baldino K, Li B et al. Loss of ARNT in skeletal muscle limits muscle regeneration in aging FASEB J 2020-10-08 [PMID: 33064329] (Mouse)

Nixon AML, Duque A, Yelle N et al. A rapid in vitro methodology for simultaneous target discovery and antibody generation against functional cell subpopulations. Sci Rep 2019-01-29 [PMID: 30696911] (FLOW, Human)

Ishii K, Sakurai H, Suzuki N et al. Recapitulation of Extracellular LAMININ Environment Maintains Stemness of Satellite Cells In Vitro Stem Cell Reports 2018-01-10 [PMID: 29337118] (ICC/IF, Mouse)

Procedures

Flow Cytometry (NBP1-54412)
Flow cytometric analysis for floating cells:
We usually use Fisher tubes or equivalents as reaction tubes for all step described below.
1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN3].
2) Resuspend the cells with washing buffer (5x10^6cells/mL).
3) Add 50 uL of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at room temperature (20~25 degrees Celsius). Remove supernatant by careful aspiration.
4) Add 10 uL of normal goat serum containing 1 mg/mL normal human IgG and 0.1% NaN3 to the cell pellet after tapping. Mix well and incubate for 10 minutes at room temperature.
5) Add 40 uL of the primary antibody at the concentration of as suggest in the APPLICATIONS diluted in the washing buffer. Mix well and incubate for 30 minutes at
room temperature.
6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.
7) Resuspend the cells with 500 uL of the washing buffer and analyze by a flow cytometer.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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