

Mouse Monoclonal Antibody to

Integrin $\alpha 11\beta 1$ (ITGA11)

clone 210F4

Order No.: 0683-100/ITGA11-210F4

Size (µg) 100

Lot No.: 0683S

www.nanotools.de

orders & support:

email: info@nanotools.de

phone: +49-7641-455 670

fax: +49-7641-455 671

02/290120F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref. Cell Line	Epitope	Immunogen
IgG2b	human	WB, Luminex, Flow Cytometry	155 kDa			human Integrin $\alpha 11\beta 1$ (ITGA11)

Background and Specificity:

Integrin $\alpha 11\beta 1$ (ITGA11) is a collagen receptor that is expressed in mesenchymal cells identified as fibroblasts, myofibroblasts and mesenchymal stem cells, and has been reported to be overexpressed in the stroma of non-small cell lung cancer (NSCLC) and of head and neck squamous cell carcinoma (HNSCC).

mAb ITGA11-210F4 is particularly suitable for western blot.

Purification: The antibody was purified from serum-free cell culture supernatant by affinity chromatography and subsequent buffer exchange.

Formulation: liquid; 1 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose

Stability: Aliquote and freeze in liquid nitrogen; antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. Avoid repeated freeze / thaw cycles.

Reconstitution:

Positive Control: none

Immunoblotting: 1 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Flow Cytometry: use at 3 µg/ml

Immunoprecipitation: use at 5 µg/ml

Immunocytochemistry: use at 0,5 µg/ml, 1:200 dilution

ELISA: ND

Luminex: KD = 140 pM

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.

Related Products

mab to ITGA11

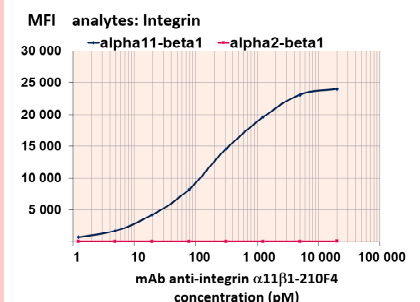
#0518-100/ITGA11-203E1

mab to ITGA11

#0519-100/ITGA11-203E3

Reference:

Integrin $\alpha 11$ cytoplasmic tail is required for FAK activation to initiate 3D cell invasion and ERK-mediated cell proliferation. Pugazendhi Erusappan et al.; Scientific Reports 2019, 9:15283
<https://doi.org/10.1038/s41598-019-51689-6>



Specific detection of $\alpha 11\beta 1$ Integrin by Luminex assay