

Anti- Mouse NK1.1 (PEK136)

Fluorochrome	Reference	Size (µg)
Pure	MONKPU (V500)	500
Pure	MONKPU (V100)	100
FITC	MONKF (V500)	500
FITC	MONKF (V100)	100
FITC	MONKF (V25)	25
PE	MONKPE (V100)	100
PE	MONKPE (V25)	25
PerCP	MONKPP (V100)	100
PerCP	MONKPP (V25)	25
APC	MONKA (V100)	100
APC	MONKA (V25)	25
Biotin	MONKB (V100)	100
Biotin	MONKB (V25)	25
CF-Blue	MONKCFB (V100)	100
CF-Blue	MONKCFB (V25)	25
PerCP-Cyanine5.5	MONKPP5.5 (V100)	100
PerCP-Cyanine5.5	MONKPP5.5 (V25)	25

PRODUCT DESCRIPTION

Clone: PEK136

Isotype: Mouse IgG2a

Tested application: flow cytometry

Immunogen: The anti-NK1.1 monoclonal antibody derives from NK-1+ cells from mouse spleen and bone marrow.

Species reactivity: Mouse

Storage instruction: store in the dark at 2-8 °C

Storage buffer: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's NK1.1, clone PEK136, is a monoclonal antibody intended for the identification and enumeration of mouse sample lymphocytes that express NK1.1 using flow cytometry. This reagent is effective for direct immunofluorescence staining of mouse tissue for flow cytometric analysis using $\leq 1 \mu\text{g}/10^6$ cells.

Presentation: liquid.

Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: The PK136 monoclonal antibody reacts with mouse NK1.1, an antigen expressed by natural killer cells and a subset of T cells in the NK1.1 mouse strains including C57BL and NZB.

NK-1.1 has also been shown to play a role in NK cell activation, IFN- γ production, and cytotoxic granule release. NK-1.1 and DX5 are commonly used as mouse NK cell markers.^(1,2)

Other Names: NKR-P1C, NKR-P1B, Ly-55, CD161b, CD161c

Gene ID: 17059

Molecular weight: 25,158 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

1. Kitaichi N, Kotake S, Morohashi T, Onoe K, Ohno S, Taylor AW. Diminution of experimental autoimmune uveoretinitis (EAU) in mice depleted of NK cells. *J Leukoc Biol* 2002 Dec;72(6):1117-21.
2. Koo GC, Peppard JR. Establishment of monoclonal anti-Nk-1.1 antibody. *Hybridoma* 1984 Fall;3(3):301-3.

MANUFACTURED BY



Immunostep S.L

Avda. Universidad de Coimbra, s/n
Cancer Research Center (CIC)
Campus Miguel de Unamuno
37007 Salamanca (Spain)
Tel. (+34) 923 294 827
www.immunostep.com