Cat.# 3IF18 Monoclonal anti-influenza virus B group

Recombinant MAbs:	**IB70, IB71, IB87, IB91** Recombinant monoclonal antibody expressed in a mammalian cell line. Full-size IgG sequence derived from rabbit B cells.
Recombinant MAbs:	**IB57** Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of rat derived MAb and human IgG1 constant domains.
Recombinant MAbs:	**IB44** Recombinant chimeric antibody expressed in a mammalian cell line. Composed of original wild type variable domains of sheep derived MAb and human IgG1 constant domains.
MAbs *in vitro*:	**IB76** Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.
MAbs *in vivo*:	**InB12, InB27, InB36, InB64, InB114, InB204, InB210, InB213** Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Cat.# RIF17 Monoclonal mouse anti-influenza virus B group

Recombinant MAbs:	**R2/3** Recombinant monoclonal antibody expressed in a mammalian cell line.
Immunogens:	Recombinant nucleoprotein of influenza virus type B strain B/Colorado/06/2017 for IB76, IB57, IB70, IB71, IB87, IB91, IB44. Purified influenza virus type B strain B/Leningrad/86/93 for InB12, InB27, InB36, InB64, InB114, InB204, InB210, InB213. Purified influenza virus type B strain B/Beijing/184/93 for R2/3.
Specificity:	Nucleoprotein of influenza virus type B.
MAb isotypes:	**IgG** for IB70, IB71, IB87, IB91 **IgG1** for IB76, IB57, IB44, InB27, InB36, InB64, InB114, InB204, InB210, InB213 **IgG2a** for R2/3 **IgG2b** for InB12

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Intelligate 1, 6th floor, Joukahaisenkatu 6 • FI-20520 Turku, FINLAND
Tel. +358 2 512 0900 • E-mail: hytest@hytest.fi • HYTEST.FI

Applications: Recommended pairs for Influenza B NP sandwich immunoassay are (capture – detection):

Capture - Detection	**Lateral Flow** (Gold nanoparticles for detection)	**Sandwich immunoassay**
IB76 - IB71	++	++
IB70 - IB71	++	++
IB71 - IB91	++	++
IB87 - IB91	+	++
IB91 - IB71	++	++
IB44 - IB91	++	++
IB91 - IB57	+	++
InB12 - InB27		+
InB12 - InB64		+
InB36 - InB64		+

*Other effective combinations are also possible

Purification: Protein A chromatography

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN_3)

Storage: +4 °C (+2 … +8 °C allowed)

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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