

## Product Datasheet

## Anti-Bassoon Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-491-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	L124/59
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 157-517 (zinc finger domains) of rat Bassoon (accession number O88778) produced recombinantly in E. Coli
<b>Molecular Weight</b>	400 kDa for full-length protein, many smaller bands possible depending on sample used
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-491-FL490, RRID: AB_2940640

## Details

<b>Target Description</b>	Bassoon is a large (420-kDa) scaffolding protein specifically localized at the active zone of presynaptic nerve terminals. Bassoon is involved in the development of presynaptic terminals and in the regulation of neurotransmitter release at both excitatory and inhibitory brain synapses (Richter K. et al., 1999).
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.
<b>Storage</b>	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

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