

## Product Datasheet

## Anti-BKbeta4 K+ Channel Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-086-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L18A/3
<b>Size</b>	200 µL
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 45-167 (entire extracellular domain) of mouse BKBeta4 (accession number Q9JIN6) produced recombinantly in E. Coli
<b>Molecular Weight</b>	24 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-086-FL490, RRID: AB_2939328

## Details

<b>Target Description</b>	Calcium-activated potassium channel subunit beta-4, Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 4 or BKBeta4 is encoded by the gene KCNMB4. BKbeta4 can bind to KCNMA1 to form a channel in the calcium activated large conductance (MaxiK channel) family. BKbeta4 acts to modulate the calcium sensitivity and gating kinetics of KCNMA1. It is expressed in brain and CNS.
<b>Specificity</b>	No cross-reactivity against BKBeta1, BKBeta2 or BKBeta3
<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 on cells overexpressing target protein and confirmed to give the expected staining pattern.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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