

**Mouse Anti-Calcitonin Gene Related Peptide / CGRP [4901]: MC0244**

**Intended Use:** For Research Use Only

**Description:** Calcitonin Gene Related Peptide or CGRP is a 37 amino acid peptide and is the most potent endogenous vasodilator currently known. It is primarily produced in nervous tissue and its receptors are expressed throughout the body. CGRP is also strongly implicated in the vasodilatory effect of endogenous cannabinoid anandamide in the brain. This effect was found to be antagonized by capsazepine. CGRP is also currently a major target of research in regards to factors effecting the onset of migraine headaches.

**Specifications:**

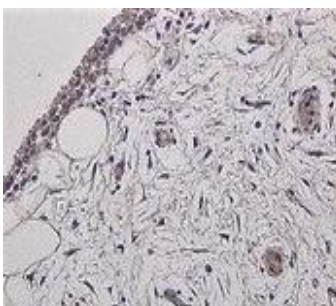
Clone: 4901  
Source: Mouse  
Isotype: IgG1k  
Reactivity: Human, mouse, rat, canine, guinea pig  
Localization: Endoplasmic reticulum, secreted  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC (PFA fixed or Frozen), Flow Cyt., ICC/IF, IP  
Package:

Description	Catalog No.	Size
Calcitonin Gene Related Peptide / CGRP Concentrated	MC0244	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Human pancreas, gut  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT or overnight @ 4°C  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE mouse synovial tissue stained with anti-CGRP using DAB

**References:**

1. Genetically and functionally defined NTS to PBN brain circuits mediating anorexia. Roman CW, et al. Nat Commun 7:11905, 2016.
2. Accelerated remyelination during inflammatory demyelination prevents axonal loss and improves functional recovery. Mei F, et al. Elife 5:N/A, 2016.
3. Activation of calcitonin gene-related peptide signaling through the prostaglandin E2-EP1/EP2/EP4 receptor pathway in synovium of knee osteoarthritis patients. Minatani A, et al. J Orthop Surg Res 11:117, 2016.
4. Accumulation of misfolded SOD1 in dorsal root ganglion degenerating proprioceptive sensory neurons of transgenic mice with amyotrophic lateral sclerosis. Sábado J, et al. Biomed Res Int 2014:852163, 2014.
5. Pearls and pitfalls in neural CGRP immunohistochemistry. Warfvinge K & Edvinsson L. Cephalalgia 33:593-603, 2013.