

Product datasheet for **BM034**

Serotonin Rat Monoclonal Antibody [Clone ID: YC5/45]

Product data:

Product Type:	Primary Antibodies
Clone Name:	YC5/45
Applications:	IF, IHC
Recommended Dilution:	Immunofluorescence. Immunohistochemistry on Frozen Sections: Formaldehyde fixation is recommended (See Ref.1)
Reactivity:	Guinea Pig, Human, Mouse, Rabbit, Rat, Xenopus
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Serotonin conjugated to Bovine Serum Albumin.
Specificity:	This Serotonin Monoclonal antibody, clone YC5/45 recognizes Serotonin and does not cross react with 5-Hydroxyindolacetic Acid, GABA, noradrenaline, 5-Hydroxytryptophan, Carnosine or Melatonin. Serotonin appears widely conserved and Rat anti serotonin antibody, clone YC5/45 has been used successfully to demonstrate serotonin immunoreactivity using immunohistochemistry in many diverse groups including primates (Vanoli et al. 2013), rodents (Hosoda et al. 1984), prototherian mammals, avians and reptiles (Adamson and Campbell 1988), teleosts (Takeda et al. 2014) through to invertebrates including hirudinids (Masuda-Nakagawa et al. 1990) and gastropods (Osborne and Dockray 1982).
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant Preservative: 0.01% Thiomersal
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background: Serotonin (also known as 5-hydroxytryptamine or 5-HT) is a biochemical messenger and neurotransmitter synthesized from L-tryptophan. Serotonin has a range of functions, including regulation of gastric motility, and may be related to some psychiatric disorders including schizophrenia and depression. Serotonin is widely distributed in the central and peripheral nervous system, and also in some non-neural tissues such as platelets.

Synonyms: 5-HT, 5HT, 5 hydroxytryptamine