

## Product datasheet for **AM10164BT-N**

### Digoxigenin Mouse Monoclonal Antibody [Clone ID: 21H8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	21H8
Applications:	ELISA, ISH, SB, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000-1/10000. <b>Southern Blot:</b> 1/500-1/5000. <b>Western Blot:</b> 1/500-1/5000. <b>In Situ Hybridization:</b> 1/200-1/2000.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Digoxigenin
Specificity:	Reacts with <i>free</i> and <i>bound</i> Digoxigenin.
Formulation:	PBS, pH 7.4 Label: Biotin State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.02% Thiomersal
Concentration:	Lot specific
Purification:	Protein A Chromatography
Conjugation:	Biotin
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

Digoxigenin (DIG) is a steroid found exclusively in the flowers and leaves of the plants *Digitalis purpurea* and *Digitalis lanata*. Digoxigenin is chemically closely related to Digoxin, the cardiac glycoside used for the treatment of various heart diseases. The term 'genin' at the end of Digoxigenin, refers to only the aglycone portion (without the sugar) part of the molecule, thus Digoxigenin is the steroid component of Digoxin, - minus the (digitose) sugar residues. DIG can be covalently added to proteins or nucleic acids which makes it very useful in diverse applications.