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Product datasheet for TA420183

HIST1H3F Mouse Monoclonal Antibody [Clone ID: 1D4F2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1D4F2
Applications:	IF, WB
Reactivity:	Broad
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	A peptide comprising amino acids 21-39 of human histone H3.1. This region is 100% identical in human histone H3.2
Specificity:	HISTONE H3.1
Formulation:	Phosphate buffered saline containing 0.035% Sodium Azide (NaN3)30% Glycerol **Label**: Purified **State**: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	histone cluster 1, H3f
Database Link:	P68431

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Background: Mouse anti Human histone H3.1 antibody, clone 1D4F2 recognizes histone H3 variant H3.1.Histone H3 is one of the four core histones that make up the nucleosome core particle. Nucleosomes are the smallest subunit of chromatin and are made up of 146 bp of DNA wrapped around an octamer comprised of pairs of the four core histones (H2A, H2B, H3, and H4) (Smith, 1991). In contrast to histone H3.3, incorporation of histone H3.1 and H3.2 into nucleosomes is replication dependent rather than occurring throughout the cell cycle (Tagami et al. 2004).

Synonyms: H3/a; H3/b; H3/c; H3/d; H3/f; H3/h; H3/i; H3/j; H3/k; H3/l; H3FA; H3FB; H3FC; H3FD; H3FF; H3FH; H3FI; H3FJ; H3FK; H3FL