

**MOUSE ANTI-POLYGLUTAMINE
Polyglutamine-Expansion Diseases Marker
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB1574	QUANTITY:	100 μ L
LOT NUMBER:			
CLONE NAME:	5TF1-1C2	HOST/ISOTYPE:	IgG ₁ K
SPECIFICITY:	The epitope of MAB1574 was found to be a homopolymeric glutamine stretch. The original immunogen was the general transcription factor TATA Box-binding protein (TBP) which contains a 38-glns stretch (Lescure et al). Other polyglutamine-containing proteins are recognized by the MAB1574, notably those involved in several human neurodegenerative diseases caused by a CAG repeat expansion, like Huntington's disease and spinocerebellar ataxia type 2, 3 and 7 (Trottier et al Nature). Importantly, for proteins involved in these neurodegenerative disorders, MAB1574 showed remarkable property of detecting much better the pathological proteins that contain a polyglutamine expansion (37 glns) than the wild type proteins (Trottier et al). MAB1574 has been used to identify new neurodegenerative diseases caused by polyglutamine expansion and to help for cloning of the corresponding affected genes (Trottier 1995-1998; Imbert 1996; Stevanin 1996). MAB1574 is also able to detect intracellular inclusions, which is a hallmark of such diseases (Paulson, 1997).		
IMMUNOGEN:	N-terminal part of the human TATA Box Binding Protein (TBP).		
APPLICATIONS:	ELISA: 1:1,000-1:20,000 Western Blot: 1:1,000-1:20,000 Immunohistochemistry on frozen and paraffin sections (human tissue): 1:1,000-1:20,000 Immunocytochemistry on transfected cells: 1:1,000-1:20,000 Immunoprecipitation: 1:1,000-1:20,000 Optimal working dilutions must be determined by end user.		
FORMAT:	Ascites		
PRESENTATION:	Liquid, does not contain any preservative.		
STORAGE/HANDLING:	Maintain frozen at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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