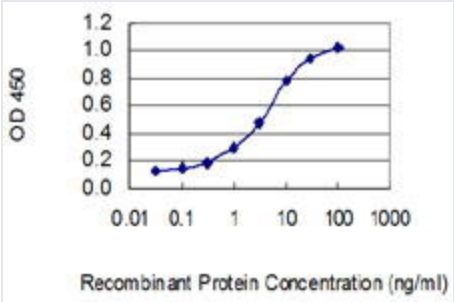
TAT Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TAT, Monoclonal Antibody
Full Product Name	TAT (Tyrosine Aminotransferase) (AP)
Product Gene Name	anti-TAT antibody
Product Synonym Names	Tyrosine Aminotransferase
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5G6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes TAT.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	TAT (AAH20707.1, 1aa-142aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MDPYMIQMSSKGNLPSILDVHVNVGGRSSVPGKMKGRKARWSVRPSDMAKKTFNPIRAIVDNMKVKPNPNKTMISLSIGELGTLLRGCHCPPLLSCSQAC
Conjugate	AP
Product Categories/Family for anti-TAT antibody	Antibodies; Enzymes; Aminotransferase
Applications Tested/Suitable for anti-TAT antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TAT antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TAT antibody	This nuclear gene encodes a mitochondrial protein tyrosine aminotransferase which is present in the liver and catalyzes the conversion of L-tyrosine int tyrosinemia (type II, Richner-Hanhart syndrome), a disorder accompanied by major skin and corneal lesions, with possible mental retardation. A regula RefSeq]
Other Notes	Small volumes of anti-TAT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TAT purchase	MBS6165931 is an antibody targeting TAT. Also known as TAT (Tyrosine Aminotransferase) (AP). Host: Mouse.



Testing Data of anti-TAT antibody
Detection limit for recombinant GST tagged TAT is 0.03 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAT. It may not necessarily be applicable to this product.

NCBI GI #	18089108
NCBI GeneID	6898
NCBI Accession #	AAH20707.1
UniProt Related Accession #	P17735
NCBI Official Full Name	TAT protein
NCBI Official Synonym Full Names	tyrosine aminotransferase
NCBI Official Symbol	TAT
Protein Family	Protein
NCBI Protein Information	tyrosine aminotransferase
NCBI Summary for TAT	This nuclear gene encodes a mitochondrial protein tyrosine aminotransferase which is present in the liver and catalyzes the conversion of L-tyrosine into p-hydroxyphenylpyruvate. Mutations in this gene cause tyrosinemia (type II, Richner-Hanhart syndrome), a disorder accompanied by major skin and corneal lesions, with possible cognitive disability. A regulator gene for tyrosine aminotransferase is X-linked. [provided by RefSeq, Jul 2008]
Research Articles on TAT	**1.** Data analysis did not reveal a genotype-phenotype correlation, but stressed the need of early diagnosis: All patients improved the oculocutaneous lesions after dietary treatment but neurological symptoms prevailed. The discovery of founder mutations in isolated populations, and the benefits of early intervention, should increase diagnostic awareness in newborns.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/tat/6165931