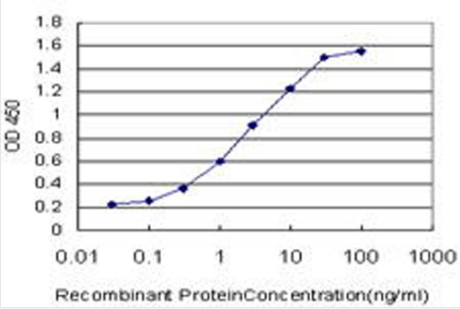
KYNU Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	KYNU, Monoclonal Antibody
Full Product Name	KYNU (Kynureninase, L-kynurenine Hydrolase) (PE)
Product Gene Name	anti-KYNU antibody
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1G2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KYNU.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of prod centrifuge the original vial prior to removing the cap.
Molecular Weight	52kDa
OMIM	605197
3D Structure	ModBase 3D Structure for Q16719
Immunogen	Partial recombinant corresponding to aa2-109 from human KYNU (NP_003928) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EPSSLELPADTVQRIAAELKCHPTDERVALHLDEEDKLRHFRECFYIPKIQDLPPVDLSLVNKDENAIYFLGNSLGLQPKMVKTYLEEELDKWAKIAAYGHE
Conjugate	PE
Product Categories/Family for anti-KYNU antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-KYNU antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-KYNU antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KYNU antibody	KYNU is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthra and 3-hydroxyanthranilic acids, respectively. KYNU is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway.

Other Notes	Small volumes of anti-KYNU antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add dry ice fee may apply.
Searchable Terms for KYNU purchase	MBS6158564 is an antibody targeting KYNU. Also known as KYNU (Kynureninase, L-kynurenine Hydrolase) (PE). Reactive in Human. Host: Mouse.



Testing Data of anti-KYNU antibody
Detection limit for recombinant GST tagged KYNU is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

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

NCBI GI #	4504937
NCBI GeneID	8942
NCBI Accession #	NP_003928
UniProt Primary Accession #	Q16719
UniProt Related Accession #	Q16719
GenBank Nucleotide #	NM_003937
NCBI Official Full Name	kynureninase isoform a
NCBI Official Synonym Full Names	kynureninase
NCBI Official Symbol	KYNU
NCBI Official Synonym Symbols	KYNUU; VCRL2
UniProt Protein Name	Kynureninase
UniProt Synonym Protein Names	L-kynurenine hydrolase
Protein Family	Kynureninase
UniProt Gene Name	KYNU
UniProt Entry Name	KYNU_HUMAN
NCBI Protein Information	kynureninase
NCBI Summary for KYNU	Kynureninase is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 3-hydroxyanthranilic acids, respectively. Kynureninase is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]
Research Articles on KYNU	**1.** Our results suggest that tryptophan metabolism might dichotomously modulate immune responses, with KYNU as a switch between immunosuppressive versus inflammatory outcomes.

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