Mouse anti-Human GSR Monoclonal Antibody | anti-GSR antibody

GSR (Glutathione Reductase, Mitochondrial, GR, GRase, GSR, GLUR, GRD1, MGC78522) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25118	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GSR; Monoclonal Antibody; GSR (Glutathione Reductase; Mitochondrial; GR; GRase; GLUR; GRD1; MGC78522) (FITC); anti-GSR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6B4
Specificity	Recognizes human GSR.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-GSR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 6ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa413-522 from human GSR (NP_000628) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TVVFSHPPIGTVGLTEDEAIHKYGIENVKTYSTSFTPMYHAVTKRKTKCVMKMVCANKEEKVVGIHMQGLGCDEMLQGFAVAVKMGATKADFDNTVAIHP
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be r buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing

IMAGES

WB (Western Blot)
Western blot analysis of GSR over-expressed 293 cell line, cotransfected with GSR Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with GSR monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged GSR is ~0.03ng/ml as a capture antibody.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to GSR on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 6ug/ml].

WB (Western Blot)
Western Blot analysis of GSR expression in transfected 293T cell line by GSR monoclonal antibody. Lane 1: GSR transfected lysate (56.3kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
GSR monoclonal antibody Western Blot analysis of GSR expression in IMR-32.

WB (Western Blot)
Western Blot detection against Immunogen (37.84kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-GSR antibody	Antibodies; Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	50301238
NCBI GeneID	2936
NCBI Accession #	NP_000628
NCBI GenBank Nucleotide #	NM_000637
UniProt Accession #	P00390; Q7Z5C9; Q9NP63; C8KIL8; C8KIL9; C8KIM0; D3DSV3
Molecular Weight	47,267 Da
NCBI Official Full Name	glutathione reductase, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutathione-disulfide reductase
NCBI Official Symbol	GSR
NCBI Official Synonym Symbols	HEL-75; HEL-S-122m
NCBI Protein Information	glutathione reductase, mitochondrial
UniProt Protein Name	Glutathione reductase, mitochondrial
UniProt Gene Name	**GSR**
UniProt Synonym Gene Names	GLUR; GRD1; GR; GRase
UniProt Entry Name	GSHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/gsr-antibody-clone-6b4-immunohistochemistry-western-blot-elisa/25118