

Mouse anti-Human AM Antibody | anti-AM antibody

AbFlex AM-Tag antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60257	Mouse	Human	Western Blot, ELISA, Chromatin Immunoprecipitation, Immunoprecipitation

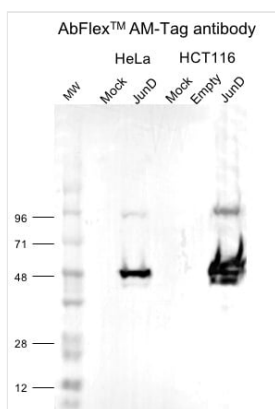
PRODUCT SYNONYMS

AM; AbFlex AM-Tag antibody (rAb); anti-AM antibody

PRODUCT SPECIFICATIONS

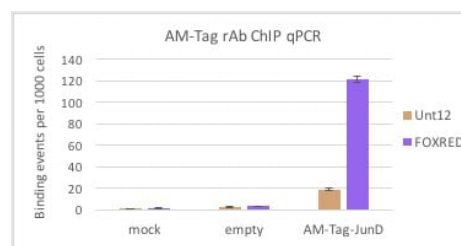
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in 200mM Hepes pH7.5, 100mM NaCl, 50mM NaOAc, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-AM antibody	WB (Western Blot), ELISA, ChIP (Chromatin immunoprecipitation)
Antibody Type	Recombinant Antibody
Tag	AM-Tag
Immunogen	This antibody was raised against Our unique AM-Tag sequence for use with Tag-ChIP-IT analysis.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

AbFlex AM-Tag antibody (rAb) tested by Western Blot. 's pAM_1C_JunD Vector was transfected or mock transfected into HCT116 cells. 48 hours post-transfection nuclear lysates were prepared. 15 ug lysate was loaded per well. Western blot was performed using 1 ug/mL of AM-Tag antibody.



ChIP (Chromatin Immunoprecipitation)

AbFlex AM-Tag antibody (rAb) tested by ChIP. 's pAM_1C_JunD Vector was transiently transfected or mock transfected into HCT116 cells. Chromatin was harvested according to the instructions in the Tag-ChIP-IT Kit. 10 ug of the AM-Tag antibody was used to immunoprecipitate the cross-linked AM-Tag-JunD fusion protein. qPCR data shows enrichment of AM-Tag-JunD with the FOXRED qPCR primer set and little to no enrichment in the mock transfections or when using the negative control Unt12 qPCR primer set.

ADDITIONAL INFORMATION

Related Product Information for anti-AM antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex AM-Tag antibody (rAb) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ELISA and Western blot; it has been shown to react with Human samples, but the sequence is not species specific so it should react with a wide range of sample types. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex AM-Tag antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. The AM-Tag antibody is specifically designed for use with Our unique AM-Tag sequence in combination with the Tag-ChIP-IT Kit. Simply clone your protein of interest into Our pAM_1C Empty Vector, or add the AM-Tag sequence to the C-terminus of your protein expression vector. Following transfection, cell lysates are prepared and screened by Western blot for expression of the AM-Tag fusion protein using the AM-Tag antibody. Optimization may be required to identify the optimal conditions for transfection and protein expression. Once transfection conditions have been optimized, the Tag-ChIP-IT Kit can be used to isolate chromatin and perform ChIP. The AM-Tag has minimal cross reactivity with mammalian samples to ensure low background signal. The tag is also unstructured, which allows the tag to protrude from the protein of interest for maximum exposure during immunoprecipitation. This increases the enrichment efficiency of low abundance transcription factors for more reliable and consistent ChIP results. Use of the AM-Tag for chromatin immunoprecipitation avoids the need for protein-specific ChIP-validated antibodies. It also enables the analysis of sequence variants, mutations and truncations on gene regulation.
Product Categories/Family for anti-AM antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	15kDa
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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/mouse-human-antibody/am/60257>