Revision 1

Store at -20C

#2999

HA-Tag (6E2) Mouse mAb (HRP Conjugate)

Cell Signaling TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
W	All	Transfected Only	Mouse IgG1

Product Usage Information

Application	Dilution
Western Blotting	1:1000

Storage

Supplied in 140 mM NaCl, 3 mM KCI, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at –20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

HA-Tag (6E2) Mouse mAb (HRP Conjugate) detects transfected HA-tagged proteins. The antibody recognizes the HA-tag fused to either the amino- or carboxy-terminus of targeted proteins in transfected mammalian cells.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide containing the influenza hemagglutinin epitope (YPYDVPDYA) . The antibody was conjugated to HRP under optimal conditions.

Background

Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of their small size, they are unlikely to affect the tagged protein's biochemical properties.

The HA tag is derived from an epitope of the influenza hemagglutinin protein, which has been extensively used as a general epitope tag in expression vectors (1).

Background References

1. Field, J. et al. (1988) *Mol Cell Biol* 8, 2159-65.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

All: All Species Expected

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