

Store at
-20°C
#13246**T7-Tag (D9E1X) XP[®] Rabbit mAb**

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

Applications:	Reactivity:	Sensitivity:	Source/Isotype:
W, IP, IF-IC	All	Transfected Only	Rabbit IgG

Product Usage Information**Application**

Western Blotting
Immunoprecipitation
Immunofluorescence (Immunocytochemistry)

Dilution

1:1000
1:50
1:100 - 1:200

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

T7-Tag (D9E1X) XP[®] Rabbit mAb recognizes transfected levels of recombinant protein containing the T7 epitope tag.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic T7-tag peptide.

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 T7-tag is an epitope tag composed of an 11-residue peptide encoded from the leader sequence of the T7 bacteriophage gene 10. The T7-tag has been used extensively as a general epitope tag in many expression vectors including the pET system that is based on T7 RNA polymerase expression systems (1).

Background References

1. Studier, F.W. and Moffatt, B.A. (1986) *J Mol Biol* 189, 113-30.

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

All: All Species Expected

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