

Phospho-Androgen Receptor (Ser258) Matched Antibody Pair



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Species Cross Reactivity: H
UniProt ID: #P10275
Entrez-Gene Id: #367

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

Product Includes	Product #	Quantity	Isotype/Source
Androgen Receptor (A3H8W) Rabbit mAb (BSA and Azide Free)	76452	100 µg	Rabbit IgG
Phospho-Androgen Receptor (Ser258) (E4L1I) Rabbit mAb (BSA and Azide Free)	87419	100 µg	Rabbit IgG

Description

The Phospho-Androgen Receptor (Ser258) Matched Antibody Pair is ideal for use with immunoassay technologies and high throughput ELISA platforms requiring antibody pairs with specialized or custom antibody labeling. Labels include fluorophores, lanthanides, biotin, and beads. Platforms requiring conjugated Matched Antibody Pairs include MSD, Quanterix Simoa, Alpha Technology (AlphaScreen, AlphaLISA, LANCE, HTRF), and Luminex.

Learn how Matched Antibody Pairs move your projects forward, faster at cst-science.com/matched-antibody-pairs.

Specificity/Sensitivity

This kit detects proteins from the indicated species, as determined through in-house testing, but may also detect homologous proteins from other species.

Storage

Store at -20°C. *This product will freeze at -20°C so it is recommended to aliquot into single-use vials to avoid multiple freeze/thaw cycles.* A slight precipitate may be present and can be dissolved by gently vortexing. This will not interfere with antibody performance.

Directions for Use

Matched Antibody Pairs consist of capture and detection antibodies that bind to non-overlapping epitopes. For specific identification of the capture and detection antibodies in this pair, please refer to the data figure caption. Optimal dilutions/concentrations should be determined by the end user.

Formulation

Supplied in 1X PBS (10 mM Na₂HPO₄, 3 mM KCl, 2 mM KH₂PO₄, and 140 mM NaCl (pH 7.8)). BSA and Azide Free.

Background

Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding (1). This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes. Research studies have shown that AR plays a crucial role in several stages of male development and the progression of prostate cancer (2,3).

Background References

1. Li, J. and Al-Azzawi, F. (2009) *Maturitas* 63, 142-8.
2. Avila, D.M. et al. (2001) *J. Steroid. Biochem. Mol. Biol.* 76, 135-142.
3. Montgomery, J.S. et al. (2001) *J. Pathol.* 195, 138-146.

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