

JWH-018 x HRP conjugate**Cat. #8302** Lot Q0105

LIMITATIONS: THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT APPROVED FOR THERAPEUTIC OR DIAGNOSTIC USE.

Background:

The Tulip Biolabs, Inc. JWH-018 x HRP conjugate, Cat. #8302, is the synthetic cannabinoid JWH-018 covalently conjugated to horseradish peroxidase (HRP). It has been used in conjunction with Cat. #1066 Anti-K2/spice rabbit IgG to make a competitive ELISA to test the presence of JWH-018, JWH-073, JWH-122, JWH-019, JWH-081, AM-2201 and related compounds and their metabolites in samples such as human urine (see Arntson *et al.*, 2013). The complete ELISA kit is available from Tulip Biolabs, Cat. #4300.

Composition:

JWH-018 conjugated to horseradish peroxidase (HRP).

Supplied As:

1 mL in a BSA-stabilizing buffer containing a preservative.

Storage and Stability:

Stable for at least 3 months from date of shipment when stored at 4°C. For long-term storage, aliquot and freeze at -70°C. Avoid freeze/thaw cycles.

NOTE: Sodium azide inactivates the peroxidase activity of this product. Do not use in any buffers!

Specificity and Comments:

Useful in conjunction with Cat. #1066 Anti-K2/spice rabbit IgG as components of a competitive ELISA.

Applications and Suggested Dilutions:

ELISA (1/250 dilution in stabilizing buffer)
Note: This conjugate is used in the Cat. #4300 K2/Spice ELISA kit.

Please note: This information is intended as a guide. The optimal dilutions must be determined by the user.

Tulip BioLabs Other Related Products:

Cat. #4300

K2/Spice Synth Cannabinoids ELISA Kit.

Cat. #1066

Anti-K2/Spice Synth Cannabinoids, IgG, rabbit polyclonal antibody.

Cat. #8402

JWH-250 x HRP conjugate

Cat. #8502

UR-144 x HRP conjugate

Cat. #8602

PB-22 x HRP conjugate

Cat. #8702

AKB48 x HRP conjugate

Original Reference:

A. Arntson *et al.* (2013) *J. Analyt. Toxicol.* **37** 284

Note: This product was developed at Tulip Biolabs, Inc.

Useful References:

J.W. Huffman and D. Dai (1994) *Bioorg Med Chemistry* **4** 563

S. Dresen *et al.* (2010) *J Mass Spectrometry* **45** 760

M. Hutter *et al.* (2012) *J Mass Spectrometry* **47** 54

A. Wohlfarth *et al.* (2013) *Anal Chem* **85** 3730