

Rev03  
 Update: Aug,08,2025

**DATASHEET**

# DDT, His, Canine

Cat. No.: Z04695

## Product Introduction

<b>Species</b>	Canine
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #cccccc; padding: 2px 5px; margin-right: 5px;">His</div> <div style="background-color: #0056b3; color: white; padding: 2px 5px; margin-right: 5px;">DDT (Pro2-Leu118)</div> <div style="background-color: #0056b3; color: white; padding: 2px 5px;">Accession # XP_003639975.2</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 2px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	E.coli
<b>Theoretical Molecular Weight</b>	13.54 kDa
<b>Apparent Molecular Weight</b>	The protein has a predicted MW of 13.54 kDa same as Bis-Tris PAGE result.
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 50mM Tris, 150mM NaCl, 10% Glycerol (pH 8.0).
<b>Concentration</b>	Verified by one or more methods from A280/Bioactivity/BCA/Bradford.
<b>Storage &amp; Stability</b>	This product remains stable for 6 months at -80°C or below. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** D-dopachrome tautomerase (D-DT) is a newly described cytokine and a member of the macrophage migration inhibitory factor (MIF) protein superfamily. The D-DT protein also is present in most tissues and circulates in serum at similar concentrations as MIF. D-DT binds the MIF cell surface receptor complex, CD74/CD44, with high affinity and induces similar cell signaling and effector functions.

**Synonyms :** D-DT; EC 4.1.1.84; MIF2; DDCT

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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