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Datasheet for ABIN7274464

## DDT Protein (AA 2-118) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	DDT
Protein Characteristics:	AA 2-118
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDT protein is labelled with His tag.

#### Product Details

Purpose:	Canine DDT Proten
Sequence:	Pro2-Leu118
Characteristics:	Recombinant Canine DDT Proten is expressed from E.coli with His tag at the N-Terminus.It contains Pro2-Leu118.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	DDT
Alternative Name:	DDT ( <a href="#">DDT Products</a> )

## Target Details

**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.

**Molecular Weight:** 13.54 kDa same as Tris-Bis PAGE result.

**NCBI Accession:** [XP\\_003639975](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

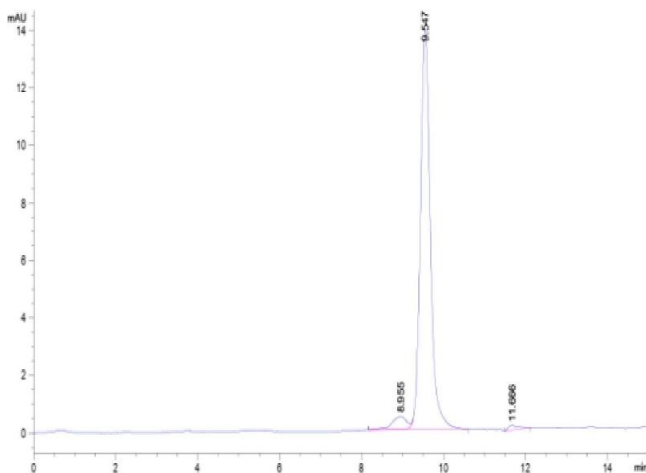
**Buffer:** Supplied as 0.22µm filtered solution in 50 mM Tris, 150 mM NaCl, 10 % Glycerol ( pH 8.0).

**Storage:** -80 °C

**Storage Comment:** Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

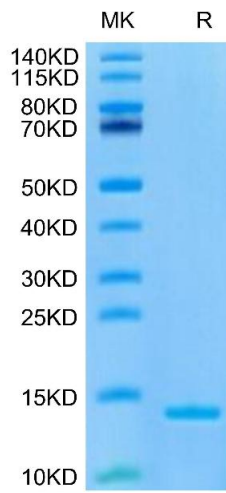
**Expiry Date:** 12 months

## Images



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Canine DDT is greater than 90 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** Canine DDT on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .