

Rev03
 Update: Aug,08,2025

DATASHEET

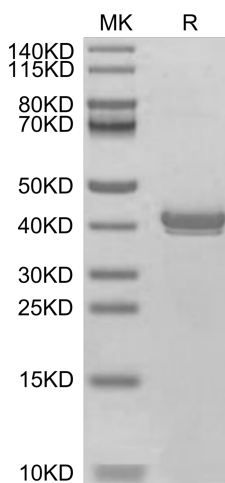
S100B hFc Chimera, Canine

Cat. No.: Z04717

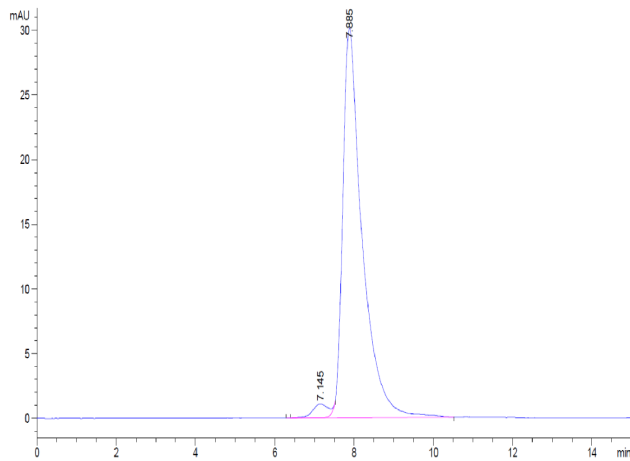
Product Introduction

Species	Canine
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #4a7ebb; color: white; padding: 5px; font-weight: bold;">hFc</div> <div style="background-color: #0070c0; color: white; padding: 5px; font-weight: bold;">S100B (Ser2-Glu92) Accession # E2QTP3</div> </div> <div style="display: flex; justify-content: space-around; font-size: small; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	36.52 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-45 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



S100B hFc Chimera, Canine on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of S100B hFc Chimera, Canine is greater than 95% as determined by SEC-HPLC.

Background

Target Background : S100B, a calcium-binding protein of the EF-hand type exerts both intracellular and extracellular functions. The intracellular, and extracellular, roles of S100B are attractive therapeutic targets for the treatment of both cardiac and vascular disease.

Synonyms : Protein S100; S100 calcium-binding; NEF; S100; 100beta; S100-B

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

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