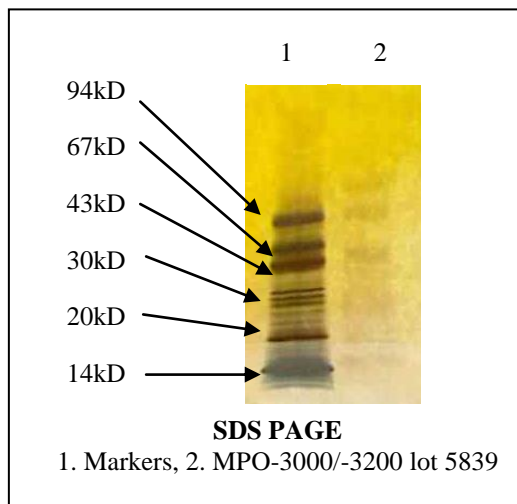


Certificate of Analysis

Product: MPO-3000/MPO-3200
Lot Number: 5839
Appearance: Lyophilized solid
Expiration Date: 01April2020
Material of Origin: Human Promyelocytic cell line



Parameter	Specification	Result
Protein Conc. (Coomassie Assay)	0.86 - 1.37mg/ml	1.23 mg/ml
Absorbance 430nm	1.10 to 1.20	1.15
RZ (A_{430} / A_{280})	0.74 to 0.82	0.79
Purity by analytical gel filtration	>90%	99 %
Enzymatic activity	1580 - 2087u/mg	1580 u/mg
Antigen titer by direct coat ELISA Vs Positive Antibody 1 Vs Positive Antibody 2 Vs Positive Antibody 3	80 to 120 % of standard	109 % 118 % 119 %
Absorbance by direct coat ELISA Vs Negative Antibody 1 Vs Negative Antibody 2 Vs Negative Antibody 3	<0.050	0.023 0.041 0.028

This product meets or surpasses ImmunoVision specifications.

TLMK

Quality Control Director

4/22/2015

Date