

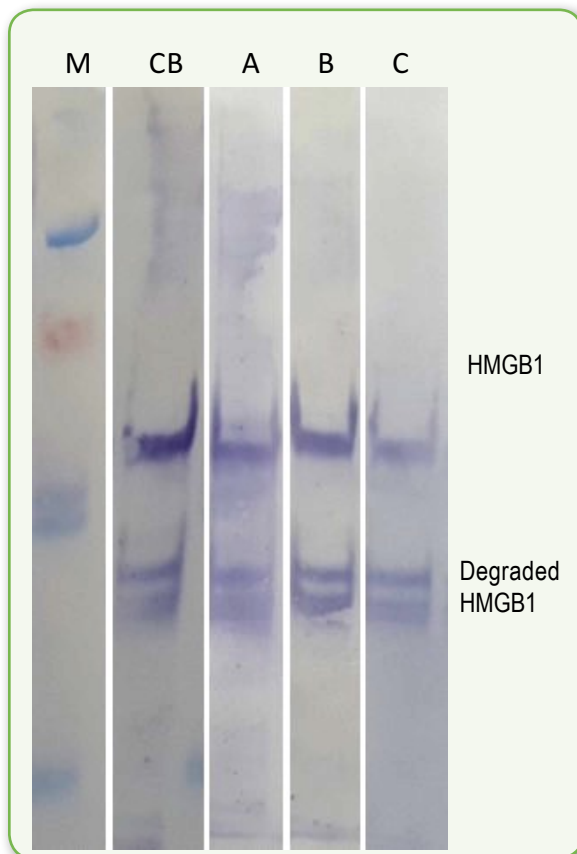


ChonBlock™ Western Blot Buffers



Obtaining accurate and reliable results by western blot depends on several factors such as sample preparation, analyte levels, primary and secondary antibody quality, and blocking buffer capability. A blocking buffer that effectively maximizes the signal-to-background noise ratio must be used to obtain clear results because high signals with high background may contain false positive reactions. In Figure 1, ChonBlock™ (CB) showed the highest signal and low background, indicating its effectiveness over other commercially available buffers (A - C). Chondrex, Inc offers a **50% trial discount** for ChonBlock™. Please contact support@chondrex.com for more information.

Figure 1. Comparing the Effectiveness of ChonBlock™ to Other Buffers in Western Blot Analysis



M: Molecular Marker
 CB: ChonBlock™
 A: Competitor's Buffer A
 B: Competitor's Buffer B
 C: Competitor's Buffer C

Reagents:

Sample: Cell lysate containing purified HMGB1
 Primary antibody: anti-HMGB1 mAb (Clone 1-1.2BP1, 1 µg/ml)
 Secondary antibody: goat anti-mouse IgG HRP (1:5000 dilution)

Protocol:

10% SDS gel under reducing conditions.
 Block the membrane with each blocking buffer at room temperature for 1 hour.
 Incubate with primary antibody diluted with each blocking buffer at 4° C overnight.
 Incubate with secondary antibody diluted with 1% goat serum in PBS at room temperature for 1 hour.
 Develop color with TMB at room temperature for 10 minutes.

ChonBlock™ has the best signal to noise ratio

	ChonBlock™	Competitor A	Competitor B	Competitor C
Signal	High	Moderate	Moderate	Low
Background Noise	Low	Low	None	None

Catalog #	Description	Price
9069P (PBS) 9069T (TBS)	ChonBlock™ WB Buffer-1 for Blocking/Primary Ab Dilution (x100 concentrate), 10 ml	\$99.00
90691P (PBS) 90691T (TBS)	ChonBlock™ WB Buffer-2 for Goat Secondary Ab Dilution (x100 concentrate), 10 ml	\$49.00
90692P (PBS) 90692T (TBS)	ChonBlock™ WB Buffer-2 for Rabbit Secondary Ab Dilution (x100 concentrate), 10 ml	\$49.00