

InVivoPro Anti-Mouse HMGB1 *in vivo* antibody, Clone DPH1.1.1

Cat #: CIV0100

Size: 1mg

Product Information

Isotype:	Mouse IgG1
Reactivity:	Mouse
Formulation:	lyophilized
Concentration:	Lot specific
Applications:	In vivo blocks recruitment of inflammatory cells to sites of necrosis and infection.
Recommended Isotype Control:	Mouse IgG1 Isotype Control
Purity:	95%
Sterility:	0.2 µM filtered
Purification:	Protein A or G
Recommended Dose Range:	220 µg/mouse (intravenous injection). Each investigator should determine their own optimal working dilution for specific applications.
Storage:	Store at 2-8°C. The product can be stored frozen (-20°C) after resuspension, thawed and refrozen.

Background

Human High-mobility group box 1 protein (HMGB1), also known as HMG-1 or amphoterin, belongs to the high mobility group box family of non-histone chromosomal proteins. This 30 kDa, 215-amino acid single-chain polypeptide contains three domains: two N-terminal 70-amino acid positively charged DNA-binding HMG boxes (A and B), and a negatively charged 30-amino acid C-terminal region (Asp/Glu-rich). Nuclear localization signals (NLS) reside at residues 27-43 and 178-184. Posttranslational acetylation of up to 17 lysine residues has been reported. HMGB1 is highly expressed in most cells.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.