

Datasheet

HMGB1 monoclonal antibody (M02), clone 1D5

Catalog Number: H00003146-M02

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant HMGB1.

Clone Name: 1D5

Immunogen: HMGB1 (AAH03378.1, 1 a.a. ~ 215 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MGKGDPPKPRGKMSSYAFFVQTCREEHKKKHPDASV
NFSEFSKKCSERWKTMSAKEKGFEDMAKADKARYE
REMPTYIPKGETKKKFKDPNAPKRPPSAFFLFCSEYR
PKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKK
AAKLKEKYEKDI AAYRAKGPDAAKKGVVKA EKSKKK
KEEEEEDEEDEEEEEDEEDEDEDEEDDDDE

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3146

Gene Symbol: HMGB1

Gene Alias: DKFZp686A04236, HMG1, HMG3, SBP-1

References:

1. HMGB1 secretion during cervical carcinogenesis promotes the acquisition of a tolerogenic functionality by plasmacytoid dendritic cells. Demoulin S, Herfs M, Somja J, Roncarati P, Delvenne P, Hubert P Int J Cancer. 2014 Dec 9. doi: 10.1002/ijc.29389.
2. High expression of high-mobility group box 1 in the blood and lungs is associated with the development of chronic obstructive pulmonary disease in smokers. Ko HK, Hsu WH, Hsieh CC, Lien TC, Lee TS, Kou YR Respirology. 2014 Feb;19(2):253-61. doi: 10.1111/resp.12209. Epub 2013 Dec 24.
3. TLR4, IL-6, IL-18, MyD88 and HMGB1 are highly expressed in intracranial inflammatory lesions and the IgG4/IgG ratio correlates with TLR4 and IL-6. Hirano H, Yoshioka T, Yunoue S, Fujio S, Yonezawa H, Niuro T, Habu M, Oyoshi T, Sugata S, Kamezawa T, Arimura H, Hanaya R, Tokimura H, Tokudome M, Arita K. Neuropathology. 2012 Mar 13. doi: 10.1111/j.1440-1789.2012.01310.x. [Epub ahead of print]