



Datasheet: OI0001A

Specification:

Description: Mouse anti-human high mobility group protein B1
Specificity: high mobility group protein B1 (HMGB1)
Immunogen: HMGB1 (AAH03378, 1-216 aa) recombinant protein with a GST tag, MW of the GST tag alone is 26KDa. A universal T cell epitope from a *Mycobacterium tuberculosis* antigen was introduced into the C-terminus of HMGB1 to increase the immunogenicity. The resulting recombinant protein was used as an antigen for immunization.

Target Species: Human
Cross Reactivity: Mouse, Rat, Cynomolgus Monkey, Canine
Clone: 3B1
Isotype: IgG2a
Preparation: Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution: 1x Phosphate buffered saline, pH7.2
Preservatives: No
Quantity: 0.5 mg (1mg/ml)
Storage: Storage Store at -20°C only. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Self life: 18 months from the date of dispatch.
Quality control testing: Antibody reactive against mouse spleen cells lysates.

Application:

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer reviewed publications or personal communications from the originators. In addition, it has unique neutralization activity and can be used to block HMGB1 pathway *in vivo* (1). Please refer to references indicated for further information.

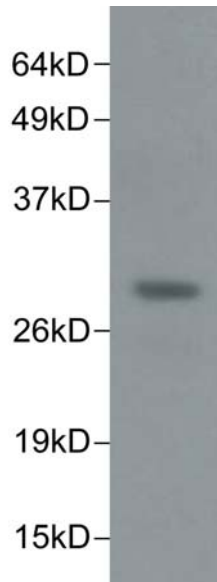
	Yes	No	Not determined
Western blot	X		
Immunoprecipitation	X		
ELISA	X		
Immunohistology			X
Flow Cytometry			X
In vivo neutralization	X		

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrate the product for use in their own system using appropriate negative/positive controls. Please note



that the clone 3B1 is superior for in vivo application, while the clone 3E8 is more sensitive for Western blot, immunoprecipitation and ELISA.

Application image:



Related product:

OI0001B (3E8)

References:

1. Chen GY, Tang J, Zheng P, Liu Y. CD24 and Siglec-10 selectively repress tissue damage-induced immune responses. *Science*, 323(5922):1722-5, 2009.
2. Zhou H, Wang Y, Wang W, Jia J, Li Y, Wang Q, Wu Y, Tang J. Generation of monoclonal antibodies against highly conserved antigens. *PLoS One*. 4(6): e6087, 2009.

*For research purposes only, unless otherwise specified in writing by OncoImmune Inc.

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