

Product datasheet for **BM2135**

26S Proteasome (p32 subunit) Mouse Monoclonal Antibody [Clone ID: p32(26S-161)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	p32(26S-161)
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/1000 for Immunoblotting when using the ECL method. Immunofluorescence Microscopy: Ready-to-use. <i>Incubation Time:</i> 20-30 min at RT (longer incubation may result in loss of soluble antigen). P32 (26S-161) is not suitable for Immunoprecipitation . This Clone antibody has been reported to work in Immunohistochemistry on Frozen Sections (See Reference 4. for more details).
Reactivity:	Human, Rat, Xenopus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	26S complexes of <i>Xenopus laevis</i> oocytes.
Specificity:	Recognizes the 20S subcomplex within the 26S heterooligomeric protein complex and the free cytosolic form of 20S cylinder particles. The epitope is resistant to formaldehyde fixation (up to 4%). Antigen Recognized in Species and Cultured Cell Lines (tested so far) <i>Xenopus laevis</i> , Human; XLKE-A6 (<i>Xenopus</i>) PLC, MCF-7, A431, CaCo (Human); 3T3 (Mouse); RV (Rat); Ptk2 (Rat kangaroo).
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant containing 0.09% Sodium Azide as preservative
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

The 26S proteasome is an ATP-dependent, multisubunit (~31), barrel-shaped molecular machine with an apparent molecular weight of ~2.5 MDa. It consists of a 20S proteolytic core complex which is crowned at one or both ends by 19S regulatory subunit complexes. The 19S regulatory subunits recognize ubiquitinated proteins and play an essential role in unfolding and translocating targets into the lumen of the 20S subunit. An enzymatic cascade is responsible for the attachment of multiple ubiquitin molecules to lysine residues of proteins targeted for degradation. Several genetic diseases are associated with defects in the ubiquitin-proteasome pathway. Some examples of affected proteins include those linked to cystic fibrosis, Angelman's syndrome, and Liddle syndrome.

Synonyms:

Proteasome26S