OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for BM5520P

DNA Mouse Monoclonal Antibody [Clone ID: AC-30-10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AC-30-10
Applications:	IF, IHC
Recommended Dilution:	**Cell Culture.** **Dot Blot** on nitrocellulose membrane (after baking at 70°C). **Immunohistochemistry on Frozen and Paraffin Embedded Tissue.** ***Working Dilution:*** After reconstitution with 1 ml distilled water, dilute further 1/10 with PBS, pH 7.4 for Immunohistochemistry. ***Incubation Time:*** 1h at RT.
Reactivity:	All Species
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Double- and single-stranded DNA
Specificity:	Antibody clone *AC-30-10* is a reliable Positive Control in assays for detection of DNA antibodies, especially for the detection of autoantibodies in autoimmune diseases. It can also be used for sensitive detection of mycoplasma contamination in cell cultures. Reacts with all forms of native and denatured DNA; reactive also with lambda DNA and synthetic DNA. The antibody recognizes DNA in all DNA-containing species. **Tested Reactivities on Cultured Cell Lines**: XLKE-A6 (Xenopus), RVF-SMC, PTK-2, HeLa.
Formulation:	PBS, pH 7.4 State: Purified State: Lyophilized purified IgM fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in 1 ml distilled water
Purification:	Gel Filtration
Conjugation:	Unconjugated

Storage: Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Background: dsDNA (double stranded deoxyribonucleic acid) is the genetic material of all cells and many viruses and is a polymer of nucleotides. The monomer consists of phosphorylated 2-deoxyribose N-glycosidically linked to one of four bases, adenine, cytosine, guanine or thymine. These are linked together by 3',5'-phosphodiester bridges. In the Watson-Crick double-helix model, two complementary strands are wound in a right-handed helix and held together by hydrogen bonds between complementary base pairs.

Synonyms: Deoxyribonucleic Acid