

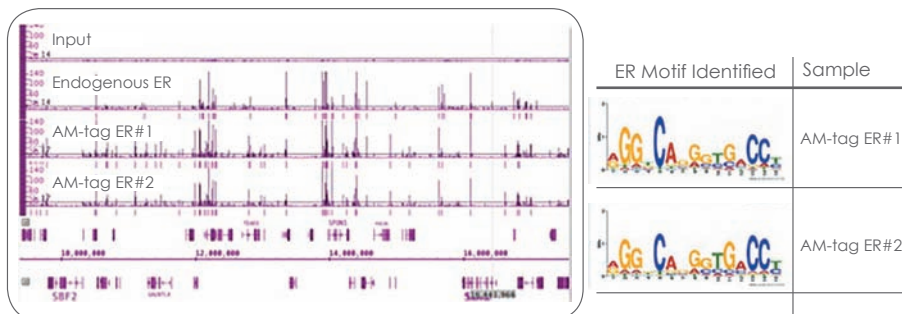
NEW The ChIP Assay Experts®

Innovative products that make chromatin IP easier and more successful

Assay Kits, Antibodies, Reagents, Instruments

AVAILABLE PRODUCTS:

- Reliable assay kits for results you can trust; specialized kits that expand ChIP utility
- Large selection of ChIP- and ChIP-Seq- validated antibodies
- ChIP-IT® control kits with positive and negative control antibodies
- ChIP accessories: buffers, blockers, chromatin, magnetic beads, columns
- EpiShear™ sonicators for precise chromatin fragmentation



Tag-ChIP-IT® identifies same estrogen receptor (ER) binding motifs as published ChIP-Seq data. ER cDNA was cloned into pAM_1C Empty Vector and transiently transfected into cells. Cells were induced with estradiol and ChIP was performed on harvested chromatin using the Tag-ChIP-IT Kit. Enriched DNA was submitted for Next-Generation Sequencing. ChIP-Seq data shows the same ER peak profile with the AM-tag ChIP as endogenous ER. Detected binding sites were further evaluated for binding motifs. Results show the ER motif was identified in both Tag-ChIP-IT samples.

Kits

Transcription Factor ChIP

ChIP-IT High Sensitivity® is Active Motif's most popular ChIP kit, providing high signal and low non-specific background through its use of optimized buffers and blockers. This kit is compatible with tissue samples and recommended for the detection of both low abundance transcription factors and robust histone proteins.

ChIP-IT High Sensitivity®	16 rxns	Catalog # 53040
---------------------------	---------	-----------------

One-Day ChIP

Using either our sonication or enzymatic chromatin fragmentation modules, generate high quality ChIP DNA in as little as 1 day. Protein G magnetic beads provide low background enrichment and streamline washing steps.

ChIP-IT® Express	25 rxns	Catalog # 53008
ChIP-IT® Express Enzymatic	25 rxns	Catalog # 53009

One-Step ChIP & Library Preparation

TAM-ChIP is Active Motif's newest technology that combines the genomic targeting of ChIP with transposase directed incorporation of sequencing adapters at the site of interest. No need for downstream library preparation and fear of sample loss.

TAM-ChIP anti-rabbit conjugate	16 rxns	Catalog # 53216
TAM-ChIP anti-mouse conjugate	16 rxns	Catalog # 53217

Low Cell ChIP-Seq

Working with limited samples materials? No problem, with Active Motif's Low Cell ChIP-Seq Kit which has been optimized to generate high quality ChIP-Seq data starting with as little as 1,000 to 50,000 cells for chromatin preparation. Kit includes reagents for chromatin preparation, ChIP, and NGS library generation.

Low Cell ChIP-Seq	16 rxns	Catalog # 53084
-------------------	---------	-----------------

ChIP for Difficult Sample Types

Working with FFPE tissue blocks, or difficult-to-lyse PBMCs? No worries, Active Motif has formulated optimized buffers and protocols to ensure you maximize your enrichment from these tricky sample types.

ChIP-IT® FFPE	16 rxns	Catalog # 53045
ChIP-IT® PBMC	16 rxns	Catalog # 53042

Antibody-Free ChIP

Active Motif's Tag-ChIP-IT® offers a method to perform ChIP without the need for protein-specific antibodies. Simply clone your protein in-frame with our AM-tag sequence and use our anti-AM-Tag antibody for enrichment. Unlike other epitope tags, the AM-tag sequence has been designed specifically for use in ChIP.

Tag-ChIP-IT®	16 rxns	Catalog # 53022
--------------	---------	-----------------

CRISPR ChIP

Utilize the CRISPR/Cas9 system to target specific genomic regions to investigate *cis*- and *trans*- interacting chromosomal looping events or to identify off-target gRNA design with Active Motif's enChIP® Kit.

enChIP® Kit	16 rxns	Catalog # 53125
-------------	---------	-----------------

Controls

ChIP Normalization

Reduce the effects of technical variation and sample processing bias by including Active Motif's Spike-in Chromatin and Spike-in Antibody in your next ChIP. This spike-in normalization strategy works with any ChIP protocol for qPCR or ChIP-Seq analysis.

Spike-in Antibody	50 µg	Catalog # 61686
Spike-in Chromatin	15 rxns	Catalog # 53083

ChIP Assay Controls

Complete your experimental design with Active Motif's ChIP-IT® Control Kits, qPCR primer sets, and Ready-to-ChIP chromatin to validate your results at every step.

visit: activemotif.com/chip-access

Antibodies

Validated ChIP and ChIP-Seq Antibodies

Active Motif specializes in manufacturing high-quality antibodies to histones, histone modifications, and chromatin proteins, as well as validating them for use in ChIP, ChIP-Seq & ChIP-chip. We offer the largest collection of these antibodies. Set yourself up for success by using our validated and published antibodies.

visit: activemotif.com/chipabs

visit: activemotif.com/chipabs

Accessory Reagents

Protein G Beads, Blockers, and Buffers

Using your own optimized ChIP protocol? Include Active Motif's validated Protein G magnetic and agarose beads, Protein G agarose columns, and ChIP blockers to reduce background signal for more specific results.

visit: activemotif.com/catalog/19/chip-access

visit: activemotif.com/catalog/1243/chip-access

Chromatin Fragmentation

Sonication Instruments

Add reproducibility to your chromatin fragmentation with Active Motif's EpiShear™ Probe Sonicator and EpiShear™ Cooled Sonication Platform. Precisely position the probe sonicator at the exact same depth for each sample.

EpiShear™ Probe Sonicator 110V	Catalog # 53051
EpiShear™ Probe Sonicator 230V	Catalog # 53052
EpiShear™ Cooled Sonication Platform	Catalog # 53080