ARRAYJET
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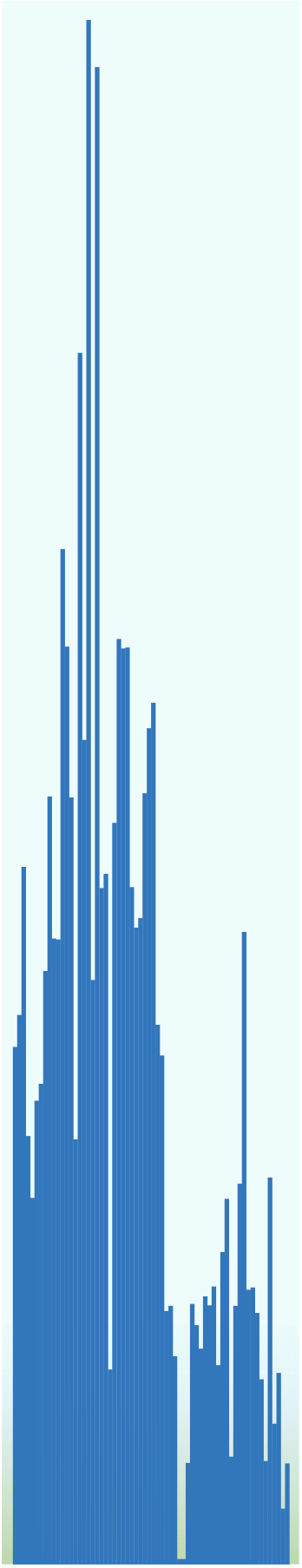

Microarray-powered

ChIP-Seq mMAbs™

Specificity-Validated
Application-Tested
Affinity-Purified

CDI launches its line of monospecific, affinity-purified monoclonal antibodies to several human transcription factors. This initial offering is highly suited for **ChIP sequencing** – the analysis of protein-DNA interactions.

CDI utilizes its **HuProt™ Human Proteome Microarray** for validating the specificity of the final product. These antibodies have been screened for cross-reactivity against **the largest collection of human proteins on a single slide**, representing ~75% of the human proteome.

Be Specific - If you're grant-writing, publishing or manufacturing...make **CDI mMAbs** part of your discovery and development success.

Current offering representative application data and specificity analysis >>

CDI
NEXTGEN PROTEOMICS

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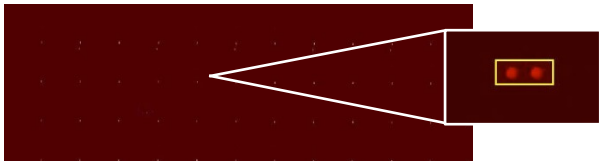
CDI ChIP-Seq-validated mMAb® Antibodies

Target	Clone ID	Applications	Format	Cat.No.
ARID3A	R21.1.1E9	IP, ChIP-Seq	100 µg	m13-034
BATF	R451.2.1E10	IP, ChIP-Seq	100 µg	m14-108
DPF1	R1172.1.1B6	IP, WB, ChIP-Seq	100 µg	m15-066
DPF1	R1172.1.1A9	IP, WB, WB-E*, ChIP-Seq	100 µg	m15-076
ETV6	R1092.1.1A9	IP, WB, ChIP-Seq	100 µg	m15-030
ETV6	R109w2.1.1A7	IP, ChIP-Seq	100 µg	m15-248
HES1	R159.4.1B11	IP, ChIP-Seq	100 µg	m13-003
KLF10	R846.1.1D3	IP, WB, ChIP-Seq	100 µg	m14-355
NRF1	R160.1.1C8	WB, IP, ChIP-Seq	100 µg	m13-094
NFATC3	R1106.1.2A12	IP, WB, ChIP-Seq	100 µg	m15-047
NRF1	R157.1.3D4	WB, IP, ChIP-Seq	100 µg	m13-005
RUVBL1	JH39.2.1A1	WB, IP, ChIP-Seq	100 µg	m13-077
SMAD4	R516.1.1G12	WB, IP, ChIP-Seq	100 µg	m14-099
SMAD4	R516.2.1D12	WB, IP, ChIP-Seq	100 µg	m14-150
SSBP4	JH97.1.3B5	IP, WB, ChIP-Seq	100 µg	m14-286

Target	Clone ID	Applications	Format	Cat.No.
USF2	R1156.1.1A7	IP, WB, ChIP-Seq	100 µg	m15-084
WDHD1	R1251.1.1A5	IP, WB, ChIP-Seq	100 µg	m15-092
WDHD1	R1251.1.1B10	IP, WB, ChIP-Seq	100 µg	m15-104
ZBTB2	R6.1.3.46F2	ChIP-Seq	100 µg	m13-048
ZMYM3	JH39.2.2B9	WB, IP, ChIP-Seq	100 µg	m15-026
ZMYM3	JH39.2.2F10	WB, IP, ChIP-Seq	100 µg	m14-241
ZMYM3	R259.2.2C3	WB, IP, ChIP-Seq	100 µg	m15-005
ZNF18	R177.1.2D2	WB, IP, ChIP-Seq	100 µg	m15-035
ZNF410	R585.2.2C9	IP, WB, ChIP-Seq	100 µg	m14-038
ZNF597	R917.1.1C12	IP, ChIP-Seq	100 µg	m15-058
ZNF639	R270.2.1E7	IP, ChIP-Seq	100 µg	m13-049
ZNF639	R270.2.2B2	WB, IP, ChIP-Seq	100 µg	m13-088
ZNF75A	R1014.1.1B6	IP, WB, ChIP-Seq	100 µg	m15-003
ZNF701	R1015.1.1C5	IP, WB, ChIP-Seq	100 µg	m14-316
ZXDC	JH98.1.2B5	IP, WB, ChIP-Seq	100 µg	m14-284

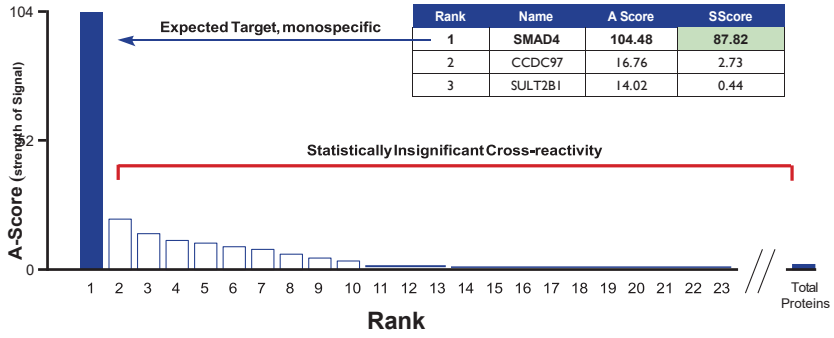
Quality Assurance - HuProt™ Microarray Specificity (Representative Data)



Microarray Analysis: Anti-Human SMAD4 (clone R516.2.1D12) cross-reactivity was evaluated using CDI HuProt Human Proteome Microarray (~75% of the human proteome). The microarray is incubated with the primary antibody, rinsed, incubated with a secondary antibody and subsequently analyzed with Genepix Pro Image Acquisition and Analysis Software, the benchmark tool for the acquisition and analysis of microarray images. The top 3 "hits" are identified by cross-reference to the array map which stores the exact location of each protein. If the expected target is ranked #1 and the S-Score (the difference between Rank #1 and #2) is >3, then the antibody is considered monospecific.

Statistical Analysis: Genepix data points (from above) were analyzed in terms of signal strength and ranked accordingly. The values shown for rank #1 and rank #2 indicate that Anti- Human SMAD4 (clone R516.2.1D12) is monospecific. Rankings 2 and beyond are essentially equivalent to non-specific background signal.

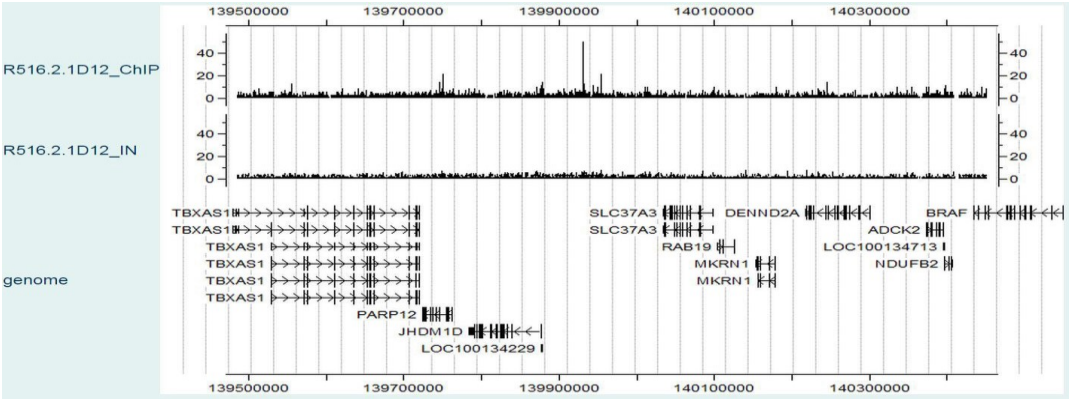
SUMMARY: The A-score indicates the number of standard deviations above background seen for the mean signal bound by the target antigen. The S-score represents the difference between the A-score of the target antigen and the next best hit on the array.



Rank	Name	A Score	SScore
1	SMAD4	104.48	87.82
2	CCDC97	16.76	2.73
3	SULT2B1	14.02	0.44

S-scores **greater than 3 standard deviations over the next listed target** are deemed statistically significant and indicate **highly specific antibodies.**

Validated Applications - ChIP-Seq (Anti-Human SMAD; clone R516.2.1D2)



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