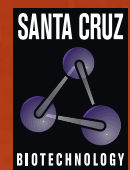


SANTA CRUZ BIOTECHNOLOGY, INC.



The Power to Question

# Biochemicals

Leading worldwide source for proteomics research products. Our extensive product line includes research antibodies, siRNA/shRNA Gene Silencers, biochemicals, general laboratory supplies and other support products.

Over 6,300 specialty biochemicals selected for biomedical, life science, molecular biology, and proteomics research applications.

Information regarding new biochemicals and regular product updates available through our web site.

Biochemicals can easily be searched on our web site by name or CAS number. A complete listing may also be viewed alphabetically or by functional group.

[www.scbt.com](http://www.scbt.com)

## Headquarters

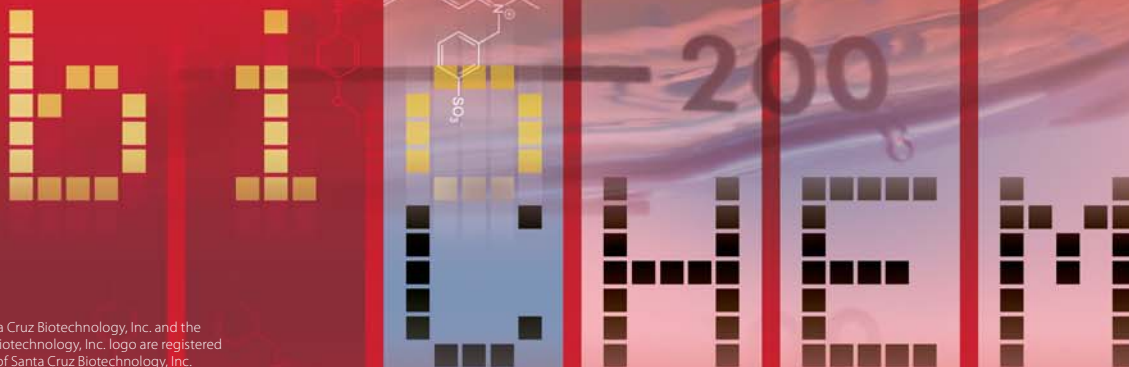
TOLL FREE: 800.457.3801  
TEL: 831.457.3800  
FAX: 831.457.3801  
E-MAIL: [scbt@scbt.com](mailto:scbt@scbt.com)

## European Support

TOLL FREE: +00800.4573.8000  
PHONE: +49.6221.4503.0  
FAX: +49.6221.4503.45  
E-MAIL: [europe@scbt.com](mailto:europe@scbt.com)

## Asian Support

JAPAN TOLL FREE: (010) 800.40402026  
S. KOREA TOLL FREE: 00798.1.1.002.0297  
N. CHINA TOLL FREE: 10.800.711.0752  
S. CHINA TOLL FREE: 10.800.110.0694  
FAX: 831.457.3801  
E-MAIL: [asia@scbt.com](mailto:asia@scbt.com)

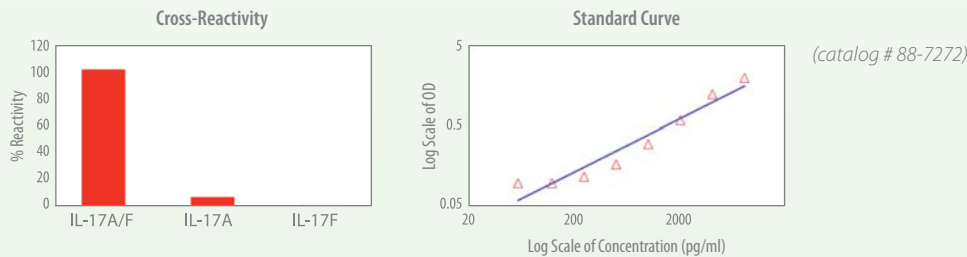


Now selling direct in the UK

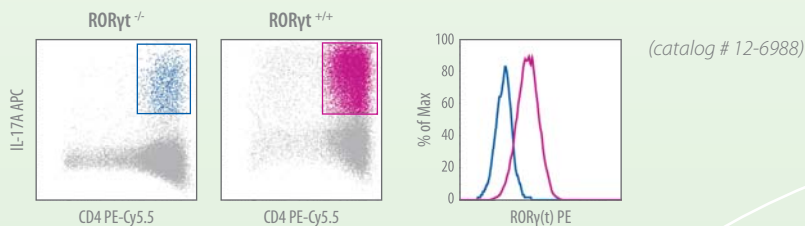
# Deciphering the Th17 Cell Lineage

## NEW innovative tools for Th17 biology

Introducing the **ONLY** ELISA that detects mouse IL-17A/F heterodimer without interference by IL-17A or IL-17F homodimers.



For the **FIRST** time, identify the Th17 "master regulator" ROR $\gamma$ (t) by flow cytometry.



Data provided courtesy of D.R. Littman laboratory.

full spectrum cell analysis  
**eBioscience**<sup>™</sup>

*Register online and be first to receive updates on new products and promotions.*

# Finally!

For your patients  
with HAE, CSL Behring  
has a new treatment



If you manage patients who suffer facial and abdominal attacks of hereditary angioedema (HAE), you can be among the first to prescribe a new treatment from CSL Behring.

*Learn more today at:*

[www.allaboutHAE.com](http://www.allaboutHAE.com)

Biotherapies for Life™ **CSL Behring**

HUMAN HEALTH

ENVIRONMENTAL HEALTH

READY-TO-  
SCREEN  
FROZEN CELLS.  
Thaw and use.

AEQUORIN  
PARENTAL  
CELL LINES AND  
PLASMIDS.  
Make your own.

MEMBRANE  
PREPARATIONS.  
Deliver consistent  
performance.

VALIDATED  
GPCR  
CELL LINES.  
Trust your results.

# GPCR CELL LINES. ON THE FRONT LINE OF DISCOVERY.

© 2009 PerkinElmer, Inc. 400168\_01. All trademarks or registered trademarks are the property of PerkinElmer, Inc. and/or its subsidiaries.



GPCR  
EXPERTISE

Advance your research with our validated cell lines. You can choose from recombinant or parental cell lines for functional and radioligand binding assays, as well as membrane preparations or frozen ready-to-use cells. PerkinElmer offers you a wide selection of licensed, high-quality cell lines – validated for calcium flux, cAMP, inositol phosphate, GTP $\gamma$ S and other applications. Find out how our scientific expertise can help you stay at the head of the line.

[www.perkinelmer.com/GPCRcomplete](http://www.perkinelmer.com/GPCRcomplete)

  
**PerkinElmer**<sup>®</sup>  
For the Better

HUMAN HEALTH

ENVIRONMENTAL HEALTH

# MORE AND MORE RESEARCHERS ARE SAYING GOOD-BYE TO WASH STEPS

AlphaLISA immunoassay kits are available for research in several key therapeutic areas including:

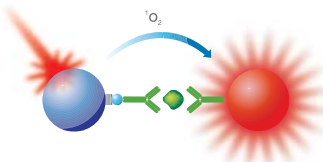
#### INFLAMMATION

CCL2 / MCP1*	IL3
COMP	IL6
CRP*	IL8
G-CSF	IL10
GM-CSF	IL12 (p70)*
IFN $\gamma$	IL13*
IL1 $\alpha$ *	IL17
IL1 $\beta$	IL18*
IL2	TNF $\alpha$

\*New Kits!



© 2009 PerkinElmer, Inc. 400162A\_03. All trademarks or registered trademarks are the property of PerkinElmer, Inc. and/or its subsidiaries.



#### PerkinElmer puts faster, easier inflammation assays within reach.

AlphaLISA® is a homogeneous alternative to conventional ELISA, enabling you to eliminate tedious wash steps without sacrificing high sensitivity or wide dynamic range. And with our expanding line of

AlphaLISA kits for research on cancer, inflammation and other disease areas, we're bringing this highly efficient Alpha Technology to more labs than ever before. Learn more about our Alpha Technology assays, and all the ways we can give you a hand with your research.

[www.perkinelmer.com/nowashELISA](http://www.perkinelmer.com/nowashELISA)

  
**PerkinElmer**<sup>®</sup>  
For the Better



# cell sciences®

## ultra pure cytokines

Produced in barley, these proteins are animal, bacterial, and viral free, and are ultra pure, with extremely low endotoxin.



*Cell Sciences offers innovative, unique growth factors and hard-to-produce recombinant proteins, bypassing the use of bacterial or animal cell systems. These ultra pure proteins contain no contamination from other growth factors and negligible amounts of endotoxin.*

### Background: barley endosperm

The host organism, barley, with its specialized endosperm storage tissue, provides many unique features including proficient protein machinery, with eukaryotic folding, and a distinct route for long-term protein protection and storage. A biochemically inert environment, void of endotoxins, low protease activity and secondary metabolite content, and a simple protein profile, aid in downstream processing. Barley has also a G.R.A.S. (generally recognized as safe) status from the FDA.

**Cell Sciences ultra pure** growth factors and cytokines are produced for use in basic and applied medical scientific research, cell culture media and diagnostics.

- ◆ serum free
- ◆ animal, bacterial & viral free
- ◆ extremely low endotoxin (<0.005 ng/ug)
- ◆ highly biologically active
- ◆ easier regulatory clearance
- ◆ perfect for cell culture, drug development, stem cell research, animal research
- ◆ for use in all *in vitro* cellular studies
- ◆ for use in all *in vivo* animal studies

### Ultra pure cytokines & growth factors

FGF1, human  
FGF2, human  
FLT3 ligand, human  
GCSF, human  
IFNA2, human  
IFN gamma, human  
IGF1, human  
IL1-alpha, human  
IL2, human  
IL3, human  
IL4, human  
IL5, human  
IL6, human  
IL7, human  
IL9, human  
IL16, human  
IL22, human  
KGF, human  
M-CSF, human  
NRG1/HRG beta 2, human  
SCF, mouse  
SF20/IL25, human  
TNF-alpha, human  
TNF-beta, human  
VEGF121, human  
VEGF165, human

www.cellsciences.com