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COMPLEMENTARY **PEPTIDE SYNTHESIS** SERVICES

- CUSTOM SYNTHESIS
- CHALLENGING TARGETS
- PROTEIN ENGINEERING
- CATALOG PRODUCTS
- PEPTIDE CONJUGATION
- PEPTIDE LABELING
- ANALYTICAL SUPPORT

All our clients have unique needs.
That's why we develop unique solutions.

This is the ALMAC TOUCH™

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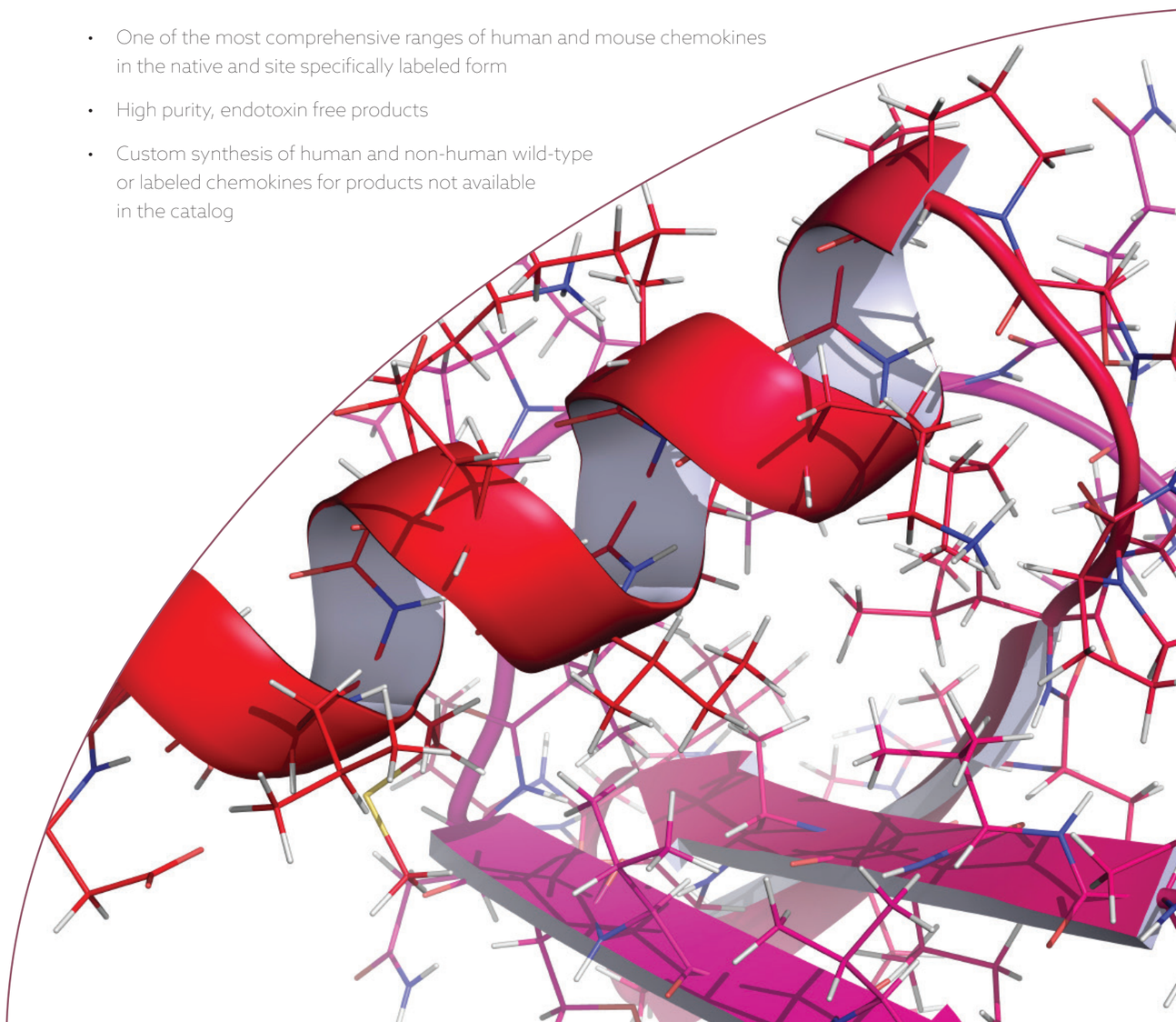
ALMAC
Partnering to Advance Human Health

COMPREHENSIVE CHEMOKINE SERVICES

- One of the most comprehensive ranges of human and mouse chemokines in the native and site specifically labeled form
- High purity, endotoxin free products
- Custom synthesis of human and non-human wild-type or labeled chemokines for products not available in the catalog



COMPREHENSIVE CHEMOKINE SERVICES

ONE OF THE MOST **COMPREHENSIVE RANGES OF HUMAN AND MOUSE CHEMOKINES** IN THE NATIVE AND SITE SPECIFICALLY LABELED FORM

Proprietary skills in long chain peptide synthesis produce high purity, endotoxin free products. The selective manufacturing process is highly amenable to the manufacture of labeled products, ensuring that not only is a single label incorporated, but also at a specific site in the sequence. We provide site-specifically labeled chemokines and complement proteins with biotin and AlexaFluor647®[1] from stock.

Our AlexaFluor®[1] chemokines offer the following advantages:

- A powerful and unique reagent which absorbs at 650 nm and emits at 665 nm
- The highly selective nature of the synthesis process ensures only labeling at a single site in the protein sequence
- Wide ranging applications e.g. receptor binding studies[2] and flow cytometry[3]

[1] AlexaFluor 647®- labeled chemokines are sold under license for research use only patents or patent applications owned by Molecular Probes

[2] Strong et al (2006). "Synthetic chemokines directly labeled with a fluorescent dye as tools for studying chemokine and chemokine receptor interactions". Eur. Cytokine Netw., 17 (1), 49-59

[3] Le Brocq et al (2014). "Chemokines as novel and versatile reagents for flow cytometry and cell sorting". J Immunol, 192, 6120-6130

CHEMOKINES

HUMAN CHEMOKINES					
Systematic Name	Chemokine	Chemokine Receptors	Native	Biotin	AlexaFluor647®[1]
CCL1	h-I-309	CCR8	CN-7	CB-7	CAF-7
CCL2	h-MCP-1	CCR2	CN-2	CB-2	CAF-2
CCL3	h-MIP-1 alpha	CCR1/CCR5	CN-1	CB-1	CAF-1
CCL4	h-MIP-1 beta	CCR5	CN-23	CB-23	CAF-23
CCL5	h-RANTES	CCR1/CCR3/CCR4/CCR5	CN-8	CB-8	CAF-8
CCL8	h-MCP-2	CCR1/CCR2/CCR3/CCR5	CN-18	CB-18	CAF-18
CCL11	h-Eotaxin	CCR3	CN-3	CB-3	CAF-3
CCL15	h-MIP-5	CCR1/CCR3	CN-19	CB-19	CAF-19
CCL17	h-TARC	CCR4	CN-16	CB-16	CAF-16
CCL18	h-PARC	unknown	CN-21	CB-21	CAF-21
CCL19	h-MIP-3 beta	CCR7	CN-6	CB-6	CAF-6
CCL20	h-MIP-3 alpha	CCR6	CN-5	CB-5	CAF-5
CCL22	h-MDC	CCR4	CN-4	CB-4	CAF-4
CCL25	h-TECK	CCR9	CN-15	CB-15	CAF-15
CCL28	h-MEC	CCR10	CN-20	CB-20	CAF-20
CXCL8	h-IL-8	CXCR1/CXCR2	CN-9	CB-9	CAF-9
CXCL10	h-IP-10	CXCR3	CN-10	CB-10	CAF-10
CXCL11	h-ITAC	CXCR3	CN-13	CB-13	CAF-13
CXCL12	h-SDF-1 alpha	CXCR4	CN-11	CB-11	CAF-11
CXCL12	h-SDF-1 beta	CXCR4	CN-22	CB-22	CAF-22

MOUSE CHEMOKINES					
Systematic Name	Chemokine	Chemokine Receptors	Native	Biotin	AlexaFluor647®[1]
mCCL2	mouse MCP-1	CCR2	CN-52	CB-52	CAF-52
mCXCL12	mouse SDF-1 alpha	CXCR4	CN-50	CB-50	CAF-50
mCX3CL1	mouse Fractalkine	CX3CR1	CN-51	CB-51	CAF-51

COMPLEMENT PROTEINS			
Complement Protein	Native	Biotin	AlexaFluor647®[1]
hC3a	CN-91	CB-91	CAF-91
hC5a	CN-90	CB-90	CAF-90

Native available in 20µg, 100µg, 1mg
Biotin and Alexa647®[1] available in 10µg, 100µg

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