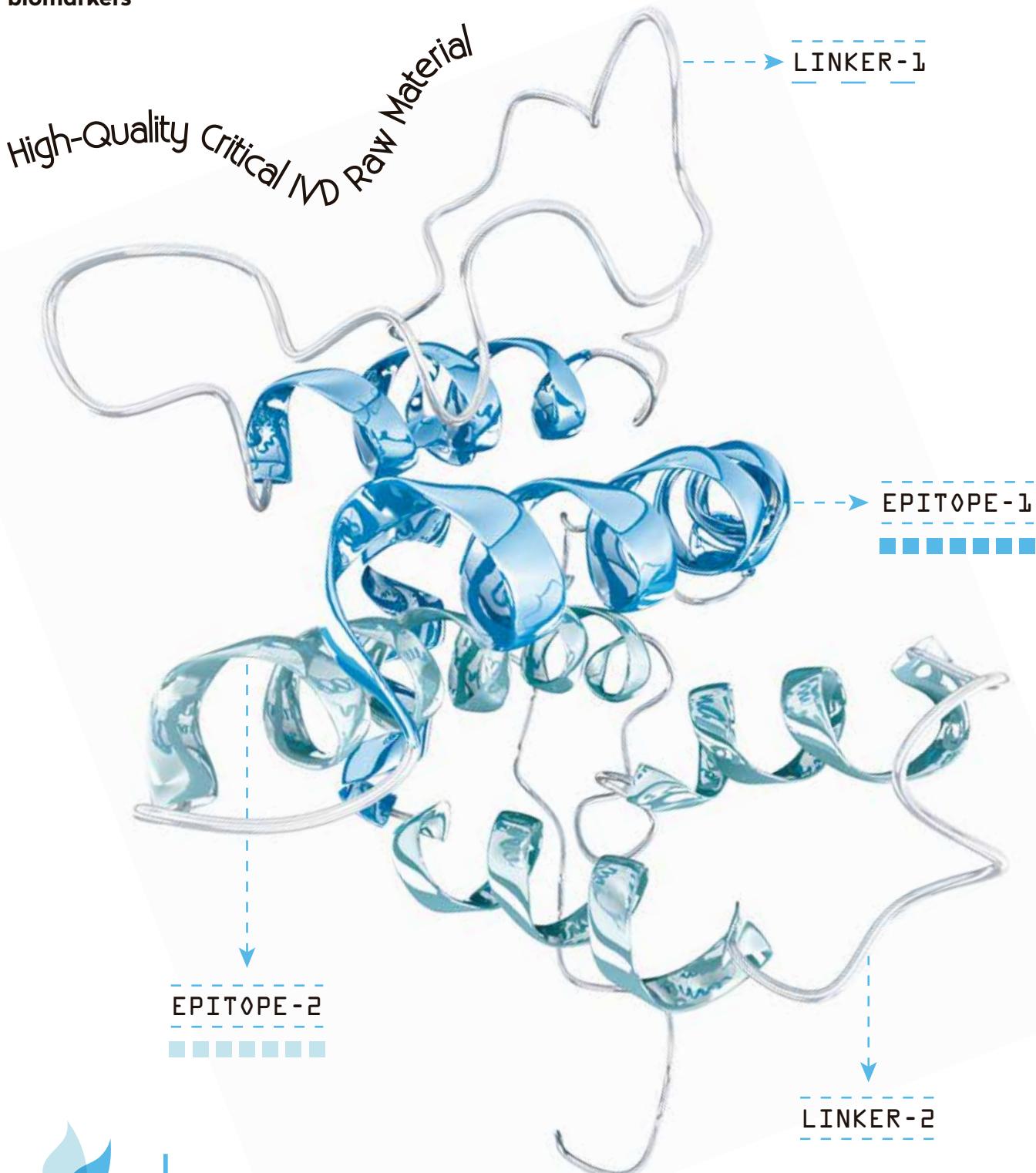


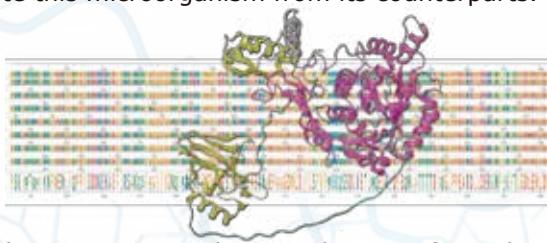
Multi-epitope recombinant chimeric proteins

Go a step ahead in the sensitivity and specificity of your IVD test by utilizing **next-generation biomarkers**

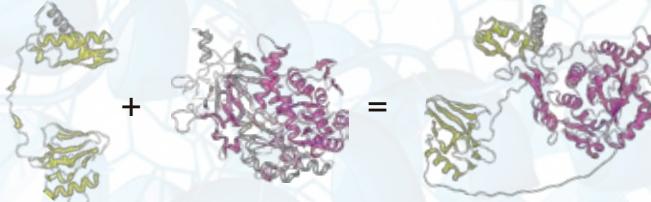


High Quality Raw Materials
for the IVD Manufacturing Industry

At Rekom Biotech, we use computational methods to access structural models of antigenic molecules. This allows us to select specific antigenic domains from different proteins. We then combine them using long, short, flexible, or rigid linkers to enable simultaneous interaction of every epitope with its corresponding paratope. By avoiding steric hindrance, by using the appropriate linker, two or three different antibodies can interact with the multi-epitope molecule, **increasing sensitivity**. Our chimeric multi-epitope proteins are also **highly specific** as we select domains that differentiate this microorganism from its counterparts.



In addition, using multi-epitope chimeric proteins has another significant benefit of **eliminating the need for protein mixtures** in assays. When using protein mixtures, the limited number of binding sites and varying affinities of proteins for these sites may lead to issues with reproducibility.



NAME	CAT NUMBER	SOURCE	APPLICATION	DISEASE / MICROORGANISM
ChimASFV	RAG0048	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	African Swine Fever
ChimBc	RAG0040 (Bc)	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Babesiosis (or piroplasmosis)
ChimBg	RAG0045 (Bg)	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimChagas1	RAG0093	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Chagas (<i>Trypanosoma cruzi</i>)
ChimChagas2	RAG0094	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
	RAG0094BIOT	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	
ChimChagas3	RAG0096	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
	RAG0096BIOT	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	
ChimCMV1	RAG0109	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Cytomegalovirus
	RAG0109BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	
ChimCMV2	RAG0110	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
	RAG0110BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	
ChimCMV3	RAG0018	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimDiT33	RAG0014	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Dirofilariasis (<i>Dirofilaria immitis</i>)
ChimEBV-EA	RAG0082	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Epstein-Barr virus
ChimEBV-VCA	RAG0081	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimLip1	RAG0019	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Leptospirosis (<i>Leptospira interrogans</i>)
	RAG0037	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	
ChimLip2	RAG0031	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimLip3	RAG0076	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
VlsE	RAG0027 (Bb)	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Lyme borreliosis
	RAG0022 (Bg)	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimMp	RAG0051	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Mycoplasma pneumoniae infection
ChimSyphilis1	RAG0046	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Syphilis (<i>Treponema pallidum</i>)
	RAG0046BIOT	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	
ChimSyphilis2	RAG0064	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
	RAG0064BIOT	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	
ChimToxo1	RAG0058	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	Toxoplasmosis (<i>Toxoplasma gondii</i>)
CFP10:ESAT6	RAG0060	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Tuberculosis (<i>Mycobacterium tuberculosis</i>)

WB: Western Blot

DB: Dot Blot

IE: Indirect ELISA

DE: positive control in direct ELISA

CLIA: Chemiluminescent Immunoassay

LF: Lateral Flow

CE: Capture ELISA

DAS: Double antigen sandwich

NP: nanoparticles binding

PO: plate orientation

Pack size: 0.1 mg*; 1 mg; bulk

Format: liquid; lyophilised

*under availability



Top product (Satisfaction guarantee)