



**Recombinant antigens for  
HUMAN INFECTIOUS DISEASES**

# Recombinant antigens for HUMAN INFECTIOUS DISEASES



Rekom Biotech offers a wide range of **recombinant proteins** for *in vitro* diagnosis of **human infectious diseases**, including those of zoonotic origin. These proteins will allow you to manufacture your **antibody tests** with a raw material of high quality and reproducibility, viable for any existing diagnostic platform on the market. Given our extensive experience in the sector, we can advise you on what best suits your project. Trust us!

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

**\* Specific Polyclonal Antibodies**



Top product (Satisfaction guarantee)



## PARASITES

CHAGAS (*Trypanosoma cruzi*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>1F8*</b>	<b>RAG0003</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Calcium-binding flagellar antigen
<b>B13*</b>	<b>RAG0103</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	CA-2 surface antigen, oka. Ag2, PEP2, TcR34
<b>FRA*</b>	<b>RAG0005</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Cytoskeleton assoc. antigen, oka. Ag1, JL7, H49
<b>ChimChagas1*</b>	<b>RAG0093</b> 🏆	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
<b>ChimChagas2*</b>	<b>RAG0094</b> 🏆	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
<b>ChimChagas3*</b>	<b>RAG0096</b> 🏆	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
	<b>RAG0096BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	ChimChagas3 biotinylated

LEISHMANIOSIS (*Leishmania infantum*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>K39</b>	<b>RAG0061</b> 🏆	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Parasite kinesin-related antigen
	<b>RAG0061BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	K39 biotinylated
<b>KMP11</b>	<b>RAG0038</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Kinetoplastid membrane antigen of 11 kDa

TOXOPLASMOSIS (*Toxoplasma gondii*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>p29 (GRA7)*</b>	<b>RAG0083</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Dense granule antigen
<b>p30 (SAG1)*</b>	<b>RAG0011</b> 🏆	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Major surface antigen
	<b>RAG0030</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	p30 (SAG1) in <i>P. pastoris</i>
<b>p35 (GRA8)*</b>	<b>RAG0084</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Dense granule antigen
<b>ChimToxo1*</b>	<b>RAG0058</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen (SAG1 and GRA8)



## FUNGI

CANDIDIASIS (*Candida albicans*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>Enolase</b>	<b>RAG0044</b>	<i>E. coli</i>	WB, DB, IE, DE	Antigen corresponding to the glycolytic enzyme 2-phosphoD-glycerate hydrolyase



## AIDS (HIV)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
p24	RAG0057	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Viral capsid antigen
	RAG0057BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	p24 biotinylated

## COVID-19 (SARSCoV-2)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
NP (CTD)	RAG0071	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	SARS-CoV-2 nucleoprotein C-terminal domain
S1 (RBD)	RAG0074	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	SARS-CoV-2 S1 Receptor Binding Domain (RBD)

COXSACKIEVIRUS (*coxsackievirus B1*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
VP1	RAG0028	<i>E. coli</i>	WB, DB, IE, DE	Viral polyprotein. Tucson

## CYTOMEGALOVIRUS (CMV)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
pp52*	RAG0090	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	DNA polymerase processivity subunit
	RAG0090BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	pp52 biotinylated
pp65*	RAG0016	<i>E. coli</i>	WB, DB, IE, DE	Viral tegument phosphoprotein
pp150*	RAG0091	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Viral matrix phosphoprotein
	RAG0059	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	
ChimCMV1*	RAG0109	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
	RAG0109BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	ChimCMV1 biotinylated
ChimCMV2*	RAG0110	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
	RAG0110BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	ChimCMV2 biotinylated
ChimCMV3*	RAG0018	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
pp28	RAG0004	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Phosphoprotein

## DENGUE

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
EDENV4	RAG0070	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	Dengue Virus envelope protein

## EPSTEIN-BARR VIRUS (EBV)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
EBNA1	RAG0007	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Late nuclear antigen
	RAG0047	<i>E. coli</i>	WB, DB, IE, DE	
p18	RAG0049	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Viral capsid antigen
	RAG0049BIOT	<i>E. coli</i>	WB, DB, CE, NP, PO	p18 biotinylated
p23	RAG0002	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Viral capsid antigen
p54	RAG0035	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Early antigen
p138	RAG0033	<i>E. coli</i>	WB, DB, IE, DE	Early antigen
ZEBRA	RAG0023	<i>E. coli</i>	WB, DB, IE, DE	Transcription factor, early antigen
ChimEBV-VCA	RAG0081	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen
ChimEBV-EA	RAG0082	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen

GENITAL HERPES produced by HSV-2 (*Herpes simplex virus type 2*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
gG2	RAG0087	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Contains the immunogenic regions of the glycoprotein G from the HSV-2

## HEPATITIS B (HBV)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
HBcAg*	RAG0056	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Hepatitis B virus core antigen assembled as capsid-like particles
HBeAg	RAG0062	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	HBV e antigen that comprises the 10 aa pre-core sequence plus the 149-residue assembly core

### SARS-CoV (2003)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>NP (CTD)</b>	<b>RAG0080</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	SARS-CoV nucleoprotein C-terminal domain. <b>92.5% identity with NP COVID-19.</b>

### ORAL HERPES produced by HSV-1 (Herpes simplex virus type 1)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>gG1</b>	<b>RAG0017</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant mature glycoprotein G for HSV-1
	<b>RAG0017BIOT</b>	<i>E. coli</i>	WB, DB, CE, NP, PO	gG1 biotinylated
	<b>RAG0105</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	

### WEST NILE VIRUS (WNV)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>E</b>	<b>RAG0001</b>	<i>E. coli</i>	WB, DB, IE, DE	Envelope glycoprotein
	<b>RAG0065</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	



ATYPICAL PNEUMONIA (*Mycoplasma pneumoniae*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>P1</b>	<b>RAG0053</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	<i>Mycoplasma pneumoniae</i> P1 adhesin protein
<b>P30</b>	<b>RAG0041</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	<i>Mycoplasma pneumoniae</i> P30 adhesin protein

ANAPLASMOSIS (*Anaplasma phagocytophilum*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>p44</b>	<b>RAG0026</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Outer membrane antigen for <i>A.phagocytophilum</i>

## BORRELIOSIS or LYME DISEASE

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>ospC</b>	<b>RAG0042</b> ( <i>Ba</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Outer membrane antigen for <i>B. afzelii</i>
	<b>RAG0043</b> ( <i>Bb</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Outer membrane antigen for <i>B. burgdorferi</i>
	<b>RAG0034</b> ( <i>Bg</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Outer membrane antigen for <i>B. garinii</i>
<b>flagellin B</b>	<b>RAG0054</b> ( <i>Ba</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Internal central portion of <i>B. afzelii</i> 41 kDa
	<b>RAG0055</b> ( <i>Bb</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Internal central portion of <i>B. burgdorferi</i> 41 kDa
	<b>RAG0072</b> ( <i>Bg</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Internal central portion of <i>B. garinii</i> 41 kDa
<b>VlsE</b>	<b>RAG0022</b> ( <i>Bg</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen VlsE for <i>B. garinii</i>
	<b>RAG0027</b> ( <i>Bb</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen VlsE for <i>B. burgdorferi</i>
	<b>RAG0102</b> ( <i>Ba</i> )	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Major variable Surface antigen for <i>B. afzelii</i>

EHRlichiosis (*Ehrlichia canis*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>gp19</b>	<b>RAG0025</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Glycoprotein gp19 of <i>Ehrlichia canis</i>

LEPTOSPIROSIS (*Leptospira interrogans*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>LipL32</b>	<b>RAG0077</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Major outer membrane antigen, lipoprotein
	<b>RAG0063</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	LipL32 in <i>P. pastoris</i>
<b>LipL21</b>	<b>RAG0100</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	The second most abundant protein <i>L. interrogans</i>
<b>ChimLip1</b>	<b>RAG0019</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen for <i>L. interrogans</i>
	<b>RAG0037</b>	<i>P. pastoris</i>	WB, DB, IE, DE, CLIA, LF	
<b>ChimLip2</b>	<b>RAG0031</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen for <i>L. interrogans</i>
<b>ChimLip3</b>	<b>RAG0076</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen for <i>L. interrogans</i>

TUBERCULOSIS (*Mycobacterium tuberculosis*, Koch's bacillus)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>CFP10 *</b>	<b>RAG0050</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Culture filtrate antigen of 10 kDa
<b>CFP10:ESAT6*</b>	<b>RAG0060</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen

## SYPHILIS (*Treponema pallidum*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>TmpA</b>	<b>RAG0073</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Membrane lipoprotein
<b>Tpp15</b>	<b>RAG0009</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Membrane lipoprotein
	<b>RAG0009BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	Tpp15 biotinylated
<b>Tpp17</b>	<b>RAG0008</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Membrane lipoprotein
	<b>RAG0008BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	Tpp17 biotinylated
<b>Tpp47</b>	<b>RAG0010</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Membrane lipoprotein
	<b>RAG0010BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	Tpp47 biotinylated
<b>ChimSyphilis1</b>	<b>RAG0046</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen (Tpp17 and Tpp47)
	<b>RAG0046BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	ChimSyphilis1 biotinylated
<b>ChimSyphilis2</b>	<b>RAG0064</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen (Tpp15 and TmpA)
	<b>RAG0064BIOT</b>	<i>E. coli</i>	WB, DB, CE, DAS, NP, PO	ChimSyphilis2 biotinylated

## TYPHOID FEVER (*Salmonella typhi*)

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION
<b>Flagellin</b>	<b>RAG0032</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	The flagella antigen of <i>Salmonella typhi</i>
<b>OMP</b>	<b>RAG0021</b>	<i>E. coli</i>	WB, DB, IE, DE, CLIA, LF	Outer membrane protein



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