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Simian Reagents

Chagas (*Trypanosoma cruzi*): The antigen is a mixture of purified inactivated whole organism. It is a mixture of three strains from different geographical areas (US, Brazil, Argentina). It will cross react with Leishmania.

Chick: (Chikungunya) The antigen is a mixture of recombinant antigens: capsid, E1, and E2. It will cross react with other Alphavirus.

CMV (Cytomegalovirus): A recombinant Rhesus Cytomegalovirus (RhCMV) envelope glycoprotein B (gB) produced in E. coli. The antigen is suitable for the detection of antibodies against Rhesus Cytomegalovirus and will also react with antibodies from other non-human primate species.

Dengue: The antigen is a mixture of purified inactivated whole virus. It is a mixture of four strains (Type 1, 2, 3, and 4). It may cross react with other Flavivirus.

Filovirus: The antigen is a mixture of recombinant antigens: glycoprotein from Zaire Eblola virus and Angola Marburgvirus.

SFV (Simian Foamy Virus): The antigen is a purified inactivated whole virus with group specific antigens. Most animals will have antibodies to this virus.

Herpes 1: The antigen is a recombinant gG HSV-1 protein. It is type specific for HSV-1 and will not cross react with HSV-2.

Herpes 2: The antigen is a recombinant gG HSV-2 protein. It is type specific for HSV-2 and will not cross react with HSV-1.

Herpes B Virus (Cercopithecine Herpesvirus 1): Due to the hazards associated with Herpes B Virus, the antigen HSV-1 (Herpes Simplex Virus Type 1) is used as a surrogate marker. It is a purified inactivated whole virus. It will cross react with HSV-2 (Herpes Simplex Virus Type 2) and other Herpes viruses.

JEV (Japanese Encephalitis Virus): The antigen is a recombinant JEV NS1 protein produced in human HEK293 cells.

Malaria: The antigen is a mixture of recombinant *Plasmodium falciparum* MSP1 protein and a recombinant *Plasmodium vivax* MSP1 protein. Please note that serology is not the gold standard for diagnosis of malaria. Other modalities along with serology should be used for suspected infected animals.

Measles: The antigen is a purified inactivated whole virus.

Monkeypox: The antigen is a recombinant MPXV A29 protein produced in E. coli.

Mumps: The antigen is a purified inactivated whole virus.

Nipah Virus: The antigen is a recombinant Nipah virus glycoprotein G (G protein) with a c-terminal polyhistidine (His) tag.

Rabies: The antigen is a recombinant 34 kd phosphoprotein.

Rubella: The antigen is a purified inactivated whole virus

SARS-CoV-2 Nucleocapsid Protein (Wuhan Hu-1): A recombinant nucleocapsid protein (strain Wuhan Hu-1) produced in E. coli, encompassing amino acids 1-419.

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SARS-CoV-2 RBD + M Protein (Wuhan Hu-1): A recombinant spike membrane fusion protein produces in HEK293 cells, which includes the receptor binding domain (RBD) of the SARS-CoV-2 spike protein (S-protein) and the virion surface domain of the membrane protein (M-protein) with a C-terminal HIS-tag.

SARS-CoV-2 Spike Protein (Omicron): The antigen is a full length trimeric spike protein (strain B1.1.529/Omicron) produced in HEK293 cells. Will cross react with other SARS-CoV-2 strains.

SARS-CoV-2 Spike Protein (Wuhan Hu-1): A mixture of recombinant SARS-CoV-2 Spike Glycoprotein (S1) and SARS-CoV-2 Spike Glycoprotein (S2) produced in HEK293 cells, sequence strain Wuhan Hu-1. Will cross react with other SARS-CoV-2 strains.

SIV (Simian Immunodeficiency Virus): The antigen is a purified inactivated whole virus. It will cross react with HIV (Human Immunodeficiency Virus).

St Louis Encephalitis Virus: The antigen is a recombinant NS-1 protein produced in 293 human cells. It will cross react with other Flavivirus.

SRV (Simian Retrovirus type D): The antigen is a purified inactivated whole virus with group specific antigens. Please note that the positive animals will normally have immunosuppression, thus the positive reactions will be weak on the assay. Positive animals will also show weak responses to other antigens.

STLV (Simian T Lymphotropic Virus): A mixture of inactivated Human T-Lymphotropic Virus Type 1 (HTLV-1) and Type 2 (HTLV-2) viral lysates. The antigen provides a broad range of viral proteins suitable for the detection of antibodies cross-reactive with Simian T-Lymphotropic Virus (STLV).

SV40: (Simian Virus 40) The antigen is a purified inactivated whole virus. It will cross react with other polyoma viruses.

Toxoplasma: Toxoplasma gondii strain RH antigen is a purified inactivated whole organism propagated in mouse ascites.

Tuberculosis: A recombinant multi-epitope chimeric antigen consisting of CFP10 and ESAT-6 from *Mycobacterium tuberculosis.* The antigen provides immunodominant *M. tuberculosis* proteins suitable for the detection of antibodies against *Mycobacterium tuberculosis*.

VZV (Varicella Zoster Virus): The antigen is a purified inactivated whole virus with group specific antigens. Many animals will have antibodies to this virus.

West Nile Virus: The antigen is a mixture of purified inactivated whole virus. It is a mixture of two strains (New York and Uganda). It may cross react with other Flavivirus.

Yellow Fever: Yellow fever strain 17D: The antigen is a recombinant NS1 protein produced in 293 human cells.

Zika: The antigen is a recombinant NS-1 protein produced in 293 human cells. Sequence strain Uganda MR 766. It will cross react with other Flavivirus.

Primate ELISA reagents are for research use only, not for diagnostic use.