Antibodies

LINCS Field Name	Related to	Description	Comments	Importance	Centers Provide
AR Name	canonical	Antibody name according to the vendor or provider	vendor catalog or provider	1	YES
AR Alternative Name	canonical	Other names for the antibody	vendor catalog or provider	1	-
AR LINCS ID	canonical	Global LINCS antibody ID	LINCS internal ID; this is a batch independent ID	1	-
AR Center Specific ID	canonical	LINCS DSGC-specific antibody ID. This will be assigned by a given LINCS center according to its antibody registration scheme.	-	1	YES
AR RRID	canonical	Resource Identification Initiative ID (RRID) from Antibody Registry	http://antibodyregistry.org/search	1	YES
AR Clone Name	canonical	Monoclonal clone name/ID	vendor catalog or provider	1	-
AR Antibody Type	canonical	Specification of whether the antibody is natural (immunologically selected in an animal) or engineered	vendor catalog or provider	1	-
AR Target Protein	canonical	Nominal protein target, based on the recommended name from UniProt. If the name of a related entity (e.g. a portion of the polypeptide) was used instead to generate the antibody, this should be documented explicitly in AR_Immunogen.	http://www.uniprot.org/	1	-
AR Target Protein ID	canonical	UniProt ID of the protein target of the antibody. If the name of a related entity (e.g. a portion of the polypeptide) was used instead to generate the antibody, this should be documented explicitly in AR_Immunogen.	http://www.uniprot.org/	1	-
AR Target Protein LINCS ID	canonical	Global LINCS protein ID of the protein target of the antibody	-	1	-
AR Target Protein Center ID	canonical	LINCS DSGC-specific protein ID of protein target of antibody. This will be assigned by a given LINCS center according to its protein registration scheme.	-	1	-
AR Non-Protein Target	canonical	Name of the nominal target of antibody if not a protein	vendor catalog or provider	1	-
AR Target Organism	canonical	Organism of the antibody target. Use standardized NCBI Taxon nomenclature (e.g. Homo sapiens).	vendor catalog or provider	1	-
AR Immunogen	canonical	Complete description of the immunogen (if produced in an animal) or entity used to select the epitope (if selected in vitro), including the source of the immunogen/entity (e.g. recombinantly expressed in E. coli, purified from canine pancreas) and its method of preparation. Any references relevant to the immunogen/target or production of the antibody should be listed in AR_Relevant_Reference.	vendor catalog or provider	2	-
AR Immunogen Sequence	canonical	Complete amino acid sequence of the immunogen or entity used to select the epitope if it was a peptide, protein fragment, or small protein.	vendor catalog or provider	2	-
AR Antibody Species	canonical	Organism from which the antibody was derived if produced in an animal or the species from which the Fc domain of the antibody was derived if engineered	vendor catalog or provider	1	-
AR Antibody Clonality	canonical	Identification of the antibody as monoclonal or polyclonal	vendor catalog or provider	1	-
AR Antibody Isotype	canonical	Isotype (e.g. IgG, IgM, etc.) of the Fc domain of the antibody or antibody mixture if polyclonal	vendor catalog or provider	1	-
AR Antibody Production Source Organism	canonical	Organism or cell type used to produce the antibody	vendor catalog or provider	2	-
AR Antibody Production Details	canonical	If the antibody was produced originally in an animal, including if it is currently derived from hybridoma cells, this field includes relevant information about the antibody production method that is not captured in other fields. If the antibody was engineered, this field includes information about the methods used to engineer and produce the antibody (e.g. humanized mouse antibody sequence expressed in and protein A-purified from yeast cells) and any other relevant details not captured in other fields. Any references relevant to antibody production should be listed in AR_Relevant_References.	vendor catalog or provider	2	-
AR Antibody Labeling	canonical	If the antibody was labeled or conjugated, what fluor or enzyme (e.g. horseradish peroxidase) is conjugated to the antibody.	vendor catalog or provider	1	-
AR Antibody Labeling Details	canonical	If the antibody was labeled or conjugated, this field includes information about the protocol used to conjugate the fluor or enzyme to the antibody. Any references relevant to antibody labeling should be listed in AR_Relevant_References.	vendor catalog or provider	2	-
AR Relevant Citations	canonical	Relevant citations for antibody generation or labeling as PMIDs or patent numbers.	http://www.ncbi.nlm.nih.gov/pubmed/ or available patents	2	-
AR Provider Name	batch	Vendor or lab that supplied the antibody	vendor catalog or provider	1	YES
AR Provider Catalog ID	batch	ID or catalog number(s) assigned to the antibody by the vendor or provider	vendor catalog or provider	1	YES
AR Provider Batch ID	batch	Batch or lot number assigned to the antibody by the vendor or provider	vendor catalog or provider	1	YES
AR Antibody Purity	batch	Purity of the antibody	vendor catalog or provider	3	YES
AR Center Name	canonical	The name of the center using the antibody	-	1	YES