**南方科技大学**

**实验动物福利伦理审查表**

**Lab Animal Use Protocol of SUSTech**

**申请日期： 年 月 日 受理编号： 批准文号：**

**Appl. Date: Y M D appl. No.: IACUC Issue No.**

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| □初次申请 □3年复审，请填写已有的伦理批准号：（ ） □first apply□ Reapply, the IACUC Issue No.:（ ） |
| 课题名称：Program name: |
| 课题来源：Sponsor： |
| 动物实验名称：Animal Protocol name: |
| 课题负责人：PI： | 院、系：Department: |
| 动物实验负责人：Contact Person | 电话和邮箱：Contact Tel. No. and Email |
| 实验室地址：Lab Add. |
| 动物实验操作人员The operator of the research | 姓名Name | 上岗证号Certificate NO. | 相关动物实验经验/培训Training/Experience of animal experiment | 联系电话/邮箱Contact Tel. No. /Email |
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| 动物实验设施许可证编号：南方科技大学实验动物中心SYXK(粤)2017-0170Name and certificate number of facility: |
| 拟开展实验时间： 年 月 日 至 年 月 日Experimental period: Y M D to Y M D |
| 描述动物实验项目的目的、必要性、意义和如何设计以达成目标Please describe the experimental objective, necessity and significance and how the program has been designed to achieve the objectives of the research. |
| 拟使用动物信息 Animal to be used | 动物来源：Animal origin□维通利华 Vital river □南京大学-南京生物医药研究院 NBRI □上海南方模式生物 Shanghai Research Center of the Southern model organisms□北京百奥赛图Beijing Biocytogen Co.,Ltd □赛业生物 Cyagen Biosciences□Jackson Laboratory □其他单位（ ）□Other origin（ ）质量合格证：□有 □无Certification of fitness: □Yes □No |
| 动物品种/品系：Species /Stain:□兔Rabbit( ) □豚鼠Guinea pig( ) □大鼠Rat( )□小鼠Mice( )□裸鼠Nude mice( ) □基因修饰动物genetically modified animal( ) □其他（具体说明）others( ) |
| 性别Gender： □雄性Male □雌性Female |
| 年龄：（日/周龄）或（和）体重（克）：Age：（days/weeks）or(and)weight(g) |
| 使用动物数量（只），按种类及年度填写：the number of species used every year: |
| 年度 | 第一年First year | 第二年Second Year | 第三年Third year |
| 品种/品系Species /Stain |  |  |  |
| 数量Number |  |  |  |
| 拟申请笼位数Cages to be used |  |  |  |
| **请以动物实验3Rs原则，说明动物实验设计、实验动物需求、动物种别及数量的必要性：**Please describe the reasons for the choice of species and numbers of animals to be used, following the 3Rs principle. 相关参考文献：References: |
| 动物实验设计及操作步骤 | **1. 详细说明动物实验步骤(**注：需明确每只动物是如何使用的，动物使用总量应与使用动物数量相符，涉及到药品请写明给药方式、药品名称、使用浓度、剂量和频次**)**Please describe the detailed information of the animal experimental procedure(including how every animal is used, the total animal number to be used, and all the details to be happened on these animals) |
| **2.主要观察指标：****Main observation indicator** |
| **3 是否进行存活性或非存活性手术： □否 □是 假如是，请填写以下两项内容：****Survival or non-survival surgery: □No □Yes**手术执行地点和手术操作者：Surgical operator and site:详细描述整个手术相关内容Detailed description of the surgery |
| **4. 疼痛反应的级别评价及减轻：****Level evaluation of pain and the action:**疼痛分级：Pain grading□轻微，或一过性，或无疼痛 Mild, or transient, or no pain□有疼痛，但能够解除 Have pain, but can be released□不能缓解的疼痛 Pain that cannot be relieved减少动物痛苦伤害的措施：Measures to reduce animal suffering

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| 麻醉剂/镇静剂名称Anesthetic/Analgesics name | 剂量（使用浓度）Dose（concentration） | 给药途径Route of administration | 给药频率Administration frequency |
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| **5 是否存在禁食、禁水（手术前的禁食除外）** **If there is fasting, water ban □否 No □是 Yes**如是，请说明禁食、禁水的时间长度：**If yes, please explain the length of time for fasting and water ban** |
| **6仁慈终点或实验终点的指标：****Humane endpoint or experimental terminative indicator:****实验动物安乐死方法或其他处置方法：****Euthanasia method:**□CO2 □颈椎脱臼致死 Cervical dislocation □断头 decollation □麻醉过量致死，请说明麻醉剂名称，使用剂量以及给药途径： Excessive anesthesia, please indicate the name of the anesthetic, the dose and the route of administration

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| 麻醉剂名称Anesthetic name | 剂量（使用浓度）Dose（concentration） | 给药途径Route of administration |
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**实验动物需进行安乐死的标准（请阅后认真执行）：****The following list of clinical abnormalities are examples that the committee suggests should be viewed as criteria for which an animal’s condition may require euthanasia.**1. 体重减少了实验前体重的 20%

 Rapid weight loss of ≥20% of body weight.1. 动物已经濒临死亡或者不能活动，或者给予温柔刺激后都没有反应

No response to gender stimulationc) 严重的呼吸困难：粘膜发绀difficulty breathing: pale/blue-tinged mucous membranesd) 急慢性的腹泻导致的中度到重度脱水 Chronic and / or severe diarrhea leading to moderate to severe dehydratione) 无力摄食或饮水 Inability/unwillingness to ambulate to reach food or waterf) 肿瘤重量超过了动物自身体重的10%，相当于25g小鼠的皮下肿瘤最大直径不能超过15mm，250g大鼠不能超过25mm ,肿瘤坏死，溃疡或发生感染。Excessive tumor burden(tumors which exceed 10% of the animal’s normal body weight ), tumors that exceed a maximum diameter of 1.5cm in a mice or 2.8cm in a rat. tumors that exhibit necrosis, ulceration and/or infection. |
| **7如使用基因修饰动物，是否需要繁殖： □否 □是，请填写****If genetically modified animals are used, do you need to breed: □No □Yes**1）请说明本研究需要繁殖动物的理由：Please explain the reasons why this study needs to breed animals:2）列举需繁殖的动物品种与品系、数量，交配繁殖策略等:List the animal strains to be propagated, the number, mating and breeding strategies, etc.:3) 请说明种原动物与子代的淘汰策略： Please explain the elimination strategy of the original animals and offspring4) 请说明筛选基因用采样方法及时间：Please explain the sampling method and time for screening genes.5) 请说明动物是否有任何特殊表现型或先天性异常？Please indicate if the animal has any special phenotype or congenital anomalies □否 □是，请说明：**□No □Yes,Explain:** |
| **8 是否使用肿瘤细胞系或其他试剂（抗体制备）：****Use tumor cell lines or other reagents (antibody preparation)**□否No □是Yes 说明：

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| 免疫原/细胞系名称Immunogen/cell line name | 剂量（使用浓度）Dose（concentration） | 给药途径Route of administration | 给药频率Route of administration |
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| **9.是否使用有毒（害）物质（感染、放射、化学、生物、其他）****Use toxic (harmful) substances (infection, radiation, chemical, biology, others)****□否 No****□是 Yes****说明：Explain** |
| **10 研究特殊要求或需求：□否 □是，详细说明：****special requirements or needs: □No □Yes，Explain:**若由于特殊实验设备（或其他因素）而需要带实验动物活体出入实验动物中心，请详细说明原因。If the experimental animal needs to be taken out of the experimental animal center due to special experimental equipment (or other reasons), please explain the reason in detail. |
| **11特殊操作和仪器设备（特殊的饲养条件，包括饲养笼、特殊的食物、饮用水、特殊的生活环境和训练等，特殊的仪器设备）：****Special operations and equipment (special feeding conditions, including cages, special food, drinking water, special living environment and training, special equipment)**□否 □是，请详细说明：**□No □Yes，Explain:** |
| **声明: 我承诺将自觉遵守实验动物福利伦理相关法规和各项规定，同意接受伦理委员会和动物实验室管理者的监督与检查，如违反承诺和规定，自愿接受处罚。如该研究方案有重大变更，事前一定获得伦理委员会的许可。****Declaration: 1. I will abide by the law and regulation of laboratory animal welfare and ethical, and accept the supervision and inspection by the committee and laboratory animal center. If there is a major change in the animal protocol, it must be approved by the ethics committee in advance.****声明人：课题负责人签名：** **Declarant: Signature of PI** **实验操作人员签名：** **Signature of animal experimenter****年 月 日****Y M D** |
| **主管兽医意见：****Opinion of Veterinary of institution:** **主管兽医签名：** **Signature of Veterinary****年 月 日****Y M D** |
| **实验动物设施意见：****Opinion from Laboratory Animal Facilities：** **设施负责人签名：** **Signature of Laboratory Animal Facilities****年 月 日****Y M D** |
| **伦理委员会审批意见：****Approval opinion of Committee****审查委员表决： □批准 □不批准**Inspection by members: **□**Agree **□**Disagree,  **主任委员签字：** **Signature of Chairman of Committee****委员签字：****Signature of Member of Committee** **年 月 日** **Y M D**  |
| **备注：□初审 □第 次审查****Remarks: □first trial □reexamine No.** |

**申报说明：**申报时，请提交本表一式两份及电子版，受理号和批准号由伦理委员会填写。

Notice: Submitting the Application Format in duplicate and a electronic edition.

 The Appl. No. and IACUC Issue No. are make out by Committee.