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## Product Data Sheet

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Product Name: Basiliximab

Cat. No.: GC66331

### Chemical Properties

Cas. No. 179045-86-4

Formula M.Wt

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Basiliximab (CHI 621) is a recombinant chimeric murine/human IgG1 monoclonal anti-**interleukin-2 receptor** antibody. Basiliximab can be used for the research of renal transplantation<sup>[1]</sup>.

Basiliximab specifically inhibits T lymphocyte proliferation by binding to the IL-2R $\alpha$ <sup>[1]</sup>. Basiliximab binds only to activated lymphocytes and macrophages/monocytes<sup>[3]</sup>. Basiliximab does not affect resting T lymphocytes that do not express IL-2R $\alpha$ <sup>[3]</sup>.

Basiliximab (CHI 621) (0.07 mg/rat; i.v.; once) decreases total placental natural killer cells in reduced uterine perfusion pressure (RUPP) rats<sup>[2]</sup>.

Animal Model: Timed-pregnant Sprague Dawley (SD) rats, reduced uterine perfusion pressure (RUPP) rat model of placental ischemia<sup>[2]</sup>

Dosage: 0.07 mg/rat

Administration: IV infusion, once

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Result: Decreased total placental natural killer cells. Had no effect to lower MAP or improve pup weight and placental weight.

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