LPS from E. coli, Serotype O55:B5 (TLRGRADE®) (Ready-to-Use)

TLR4 activator

TLRGRADE® LPS is commonly used to active TLR4, trigger inflammatory signaling, and co-stimulate the immune response, both *in vitro* and *in vivo*.

Citations: 76 View Online »

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ALX-581-013-L001	1ml
ALX-581-013-L002	2ml

Manuals, SDS & CofA View Online »

- Potent activator of TLR 4
- TLR4-specific activation as shown in TLR4-deficient cells
- Convenient and stable ready-to-use solution
- Highly cited

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at +4°C.
Handling	Do not ingest. Wear gloves and mask when handling this product! Avoid contact through all modes of exposure. LPS compounds are highly pyrogenic. Avoid accidental injection; extreme care should be taken when handling in conjunction with hypodermic syringes. Use must be restricted to qualified personnel.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Lipopolysaccharide from E. coli, Serotype O55:B5 S-form
Couple Target	TLR, TLR4
Couple Type	Activator, Ligand
Formulation	Liquid. Sterile, *ready-to-use* solution in pyrogen-free double distilled water.
Purity	Absence of detectable protein or DNA contaminants with agonistic TLR activity.
Source	Smooth (S)-form LPS isolated and purified from *E. coli* 055:B5 by a modification of the phenol water extraction and PCP extraction method, converted to the uniform sodium salt form and dissolved in sterile pyrogen-free double distilled water.

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