

CXCR4 / Fusin / LESTR / HUMSTR Ab-2

Rabbit Polyclonal Antibody

Cat. # RB-1615-P0, -P1, or -P ((0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml)) (Purified Ab with BSA and Azide)**Cat. # RB-1615-P1ABX or -PABX (0.5ml or 1.0ml at 1.0mg/ml)** (Purified Ab without BSA and Azide)**Please note this data sheet has been changed effective December 12, 2011**

Description: CXCR4, also termed Fusin, LESTR, or HUMSTR is a member of the G-protein-coupled chemokine receptor family with seven membrane-spanning domains and functions as a coreceptor for X4 HIV-1 entry into CD4+ cells. CXCR4 is expressed predominantly on naïve T cell subset of peripheral blood and is rapidly upregulated by PHA and IL-2 stimulation. It is also expressed on neutrophils, monocytes and various cell lines.

Mol. Wt. of Antigen: 40kDa**Epitope:** Extracellular**Species Reactivity:** Human, Monkey and Mouse. Others-not known.**Immunogen:** A synthetic peptide derived from the second extracellular loop of human CXCR4.**Applications and Suggested Dilutions:**

- Flow Cytometry
- Western Blotting (Ab 1µg/ml for 2 hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Raji cells.**Cellular Localization:** Cell membrane**Supplied As:**

Total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared at 1mg/ml in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

Storage and Stability:

Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Suggested References:

1. McKnight, A. et al. (1997) J Virol 71(2): 1692-6.
2. Bleul, C.C. et al. (1996). Nature, 382:829-833.
3. Endrees MJ et. al. Cell 87:745-56, 1996

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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